Network Connectivity

The Actassi system

Seamless end-to-end network connectivity

Schneider Electric

Actassi puts all the differences aside!

The best features of our local brands and ranges are now merged into one, complete global system – Actassi.

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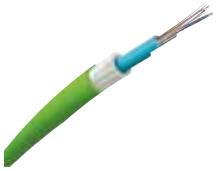

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Actassi
Actassi

Enhanced performance, that's the Actassi effect.

Actassi enhances the network performance in offices, data centres, hospitals and schools.

A network set-up never gets better than the way it was planned from the start. That's why the Actassi system includes everything you need, from enclosures and patch panels, to cables and connectors. All are easily integrated with our products to improve accessibility.

Your skills + Our skills and innovations =

Connectivity to the power of you!

By choosing Actassi, which is integrated with all other Schneider Electric solutions, your skills will be greatly empowered. Designed for, and in cooperation with installers and IT professionals our network connectivity solutions combine all areas of expertise, allowing you to make the most of your networks.

Superior usability

By constructing a complete system, we have made sure that there will never be incompatible differences in-between parts. But as an installer, we believe you would like to know the specifics. Let's take a closer look at some less visible Actassi advantages!

The new Actassi CL-MX cable has a patented metallic crossfiller for better link performance and less installation operations. No need of separation distance to power cabling and no need of ANEXT field testing.

The high-performance CL-MX cable

A new and innovative shielded Cat 6_A cable with 3 times faster installation and a superior transfer impedance performance. The secret is the patented single-foil metallic crossfiller that brings 3x shielding, improved EMC and less cutting operations.

The pre-equipped 19" panels

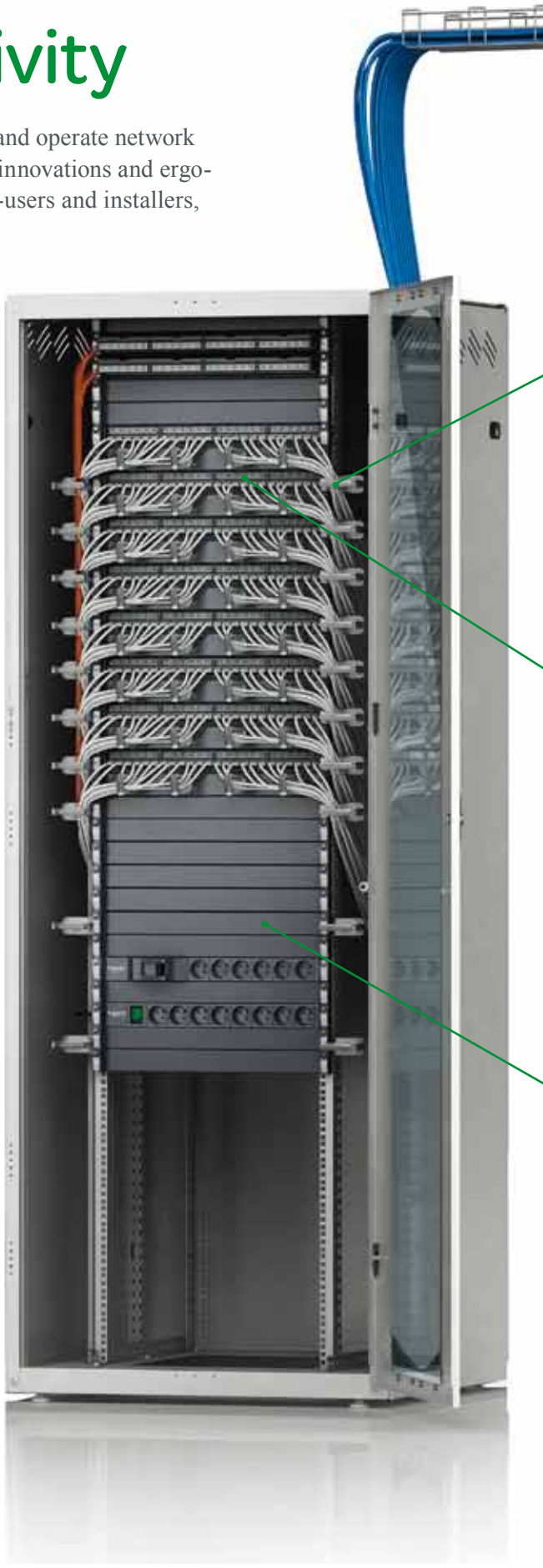
The Actassi 19" patch panels with sliding and quick-fix function, automatic earthing, quick-release button and rear cable identification will delight any professional.

Actassi VDS allows airflow of 80%

The new Actassi enclosure for server applications is very robust and can be mounted with up to 750 kg of 19" components. The micro-perforated door ensures superior air circulation. Cable entries at the sides enable ergonomic installations.

Install seamless end-to-end connectivity

Actassi includes everything needed to install and operate network connections simply and intuitively. Technical innovations and ergonomic features exceeding the demands of end-users and installers, enhance productivity in every workplace.



Actassi is easy to specify, install, use and upgrade. Together with our OptiLine installation system you will have a very flexible network access.

Actassi 19" Enclosures

A complete range of products including all sizes of enclosures, from 6 units to 47 units with different widths, depths and compositions.

Quick Fix
Our 19" panels are all equipped with the Quick Fix function, allowing simple, firm and convenient installation and maintenance.

Actassi 19" Panels

Sliding function, automatic earthing, quick-release button and rear cable identification make the Actassi 19" panel a delight to install.

CL-MX cable
The new Actassi CL-MX cable has a patented metallic crossfiller which brings 3x shielding and superior EMC. Still it's 3 times faster to install!

Actassi S-One – Twice as fast

The new Actassi RJ45 connector, with features like the smart bridle, is up to 50% faster to connect than most other connectors.

Cable management for perfectionists

Every cord and cable is easily fixed and fastened in its designated place.

Clear marking

Both patch panels and connector face plates are equipped with a system for clear marking.

Expand in no time

The patch panels are pre-equipped and have benefits such as the Quick Fix and a convenient sliding function.

Complete peace of mind

Did you connect the right wire? Did you remember earthing? With Actassi you never have to worry again. The shielded connectors have an automatic 360° earthing, so you will save time and provide safe installations simultaneously. But security isn't only a built-in feature in products. It's also a philosophy that has governed the way we have designed the Actassi support services and warranties.

We offer comprehensive training programmes as well as extensive warranties.

You will get it right, intuitively

Actassi system warranty covers the complete network, from the technical room to the workstation. Ask your local Schneider Electric sales office for detailed information on the warranties and support resources in your country.

Actassi is built on intuitive installation technology, making it very hard to fail. But if there are any uncertainties, don't hesitate to call your local support services.They are happy to answer your questions. And if there is something you would like to excel at, you are always welcome to join our training programmes.

Certified standard and global accessibility

All Actassi products are certified to the highest standards by a third party. Several products actually exceed international standards to give you true top-class performance and reliable connectivity. Our worldwide presence and well-known distribution partners also ensure both global and local access to our products and services.

The Digital Rule helps you select products

Do you find it hard to select RJ45 connectors, patch panels, cables and enclosures? Visit schneider-electric.com and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.

Environment in focus

Energetic and environmental responsibility lies at the core of Schneider Electric culture and strategy. We strive to reduce the environmental impact of our products throughout their entire life-cycle, particularly through eco-design and eco-production.

Actassi is compliant with RoHS, the REACH European directives and PEP Eco passport. Product Environmental Profile available on request.

Actassi CL-MX cables is one example of Eco-design. Halogen-free, flame or fire retardant. In case of fire, the result of using Actassi CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.

Eco-design

The European Union enacted an Energy using Products (EuP) framework directive in 2005 (directive on the eco-design of products) which seeks to promote eco-design approaches in priority sectors, or even to specify the aims of impacts for some products.

Although Schneider Electric's supply is outside of the EuP target, it generalises the eco-design approach to all its developmental activities and undertakes to communicate the environmental features of its products through Product Environmental Profiles (PEPs)

Product Environmental Profile

For each product Schneider Electric undertakes to publish a Product Environmental Profile (PEP). It provides customers with information on their environmental performances during their life cycle as well as the best treatment solutions at the end of their life. To ensure transparency and the validity of the data, it complies with ISO 14025 in an inter-professional programme which sets shared calculation and drafting rules for publishing the environmental impacts of products.

Choose a seamless network

Actassi does far more than simply showcase technological achievement. In making technology work for you, Actassi delivers true and seamless end-toend connectivity. Our target is to provide stylish and ergonomic network connections wherever you need them, to make life easier and enhance your productivity and peace of mind.

From your data centres

Actassi is designed to delight technologically-savvy IT professionals. Combined with our ID-Tracer™ Smart Patching Solution, our "Tough" Cabling will ensure your IT teams can maximize control of network connectivity systems, and greatly simplify both network, planning and operations.

to your workstations

Improve ergonomics at your workstations with our Ergo-Aesthetic Terminals. Delivering convenient connectivity, they let you start your work right away rather than having to bend down under the desk and fumble hopelessly around for patch cords.

to your meeting rooms

Delight internal and external customers by creating an organized and systematic impression of your meeting rooms with Actassi's secure, reliable and easily wired network connections. Install our Ergo-Aesthetic Terminals and say "goodbye" to the headache of tangled patch cords on and under your conference tables.

and even on the road...

When traveling out of town on business or pleasure, you are sure to be delighted with the wealth of thoughtful little Actassi details you will find inside your hotel room. This is especially true when you want to get online and surf the net. With Actassi, you will never have to travel very far to experience the ultimate blend of technology, artistry and beauty.

With new IP-reliant VoIP, video streaming, live feed and surveillance applications emerging constantly, ensuring optimal speed, reliability and cost-effectiveness is more vital than ever. Effectively future-proofing any infrastructure, Actassi solution will always keep you ahead of the technological curve.

A short Actassi summary

Here is a short summary for you: Actassi is Schneider Electric's new global state-of-the-art range for networking and connectivity infrastructure solutions, created for buildings and data centres. It consists of the best performing features from local Schneider Electric brands such as LexCom, Infraplus, Clipsal Datacomms, Sarel and Himel. To be able to offer every installer around the world, the best-of-the-best solutions, we have created ONE single system; Actassi.

Searching for a smaller sized home solution? LexCom Home should be your choice. You'll get data, TV and telephone in all rooms, and even access to all medias at the same time from the same outlet.

All products are designed to give superior usability and performance. They exceed the most advanced international standards, such as ISO/IEC 11801:2011 Ed2.2 for the new S-One connector. All S-One and Blue-Link connectors are manufactured to provide exceptional Cat 5e, Cat 6 and Cat 6_A performance for shielded and unshielded data networks.

Furthermore Actassi is fully integrated with a wide range of other Schneider Electric solutions and products, such as Cable Management Systems or Lighting Control to create a true organic office – contact us for more details.

The Actassi system consists of a comprehensive set of products:

- Connectors for Cat 5e, Cat 6 and Cat 6_A performance
- Cross-connect panels
- Copper and fibre optic LAN cables
- Patch cords and connecting hardware
- Cabling and server enclosures

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Actassi 19" Panels

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Actassi 19" patch panels

The Actassi 19" panels are indeed an installer's delight! They are innovative, simple and efficient. They are also part of the global Actassi product portfolio for Network Connectivity including connectors, cables and enclosures. Actassi is also a vital component of TOP – the Total Office Performance system – making workspaces energy efficient, flexible and comfortable. TOP includes everything from power and data distribution, to safety systems and lifespace controls. So, when you choose Actassi you'll get superior usability and a truly seamless end-to-end connectivity.

Making professional IT and network installations easy

Now, furnishing or maintaining our 19" racks with panels couldn't be done easier or faster. Actassi panels are all equipped with the Quick Fix function, a mechanism mounted at each side of the 1U panel, which helps them to be quickly opened.

All Actassi panels are equipped with the smart and innovative Quick Fix function.

Visit: http://tv.schneider-electric.com, to download the Actassi Panels video

A panel for every need

We've got panels for fibre optic, data and telecom. They have all been developed with two words in focus - easy and smart. Some examples; Quick Fix function, sliding panels, clear marking and easy cable management. The fibre optic panels also have a highly developed protection against dust. And the best of it all, the panels are also available pre-equipped, to make your ordering and installation as simple as possible. Of course power panels are also part of our offer.

Quick Fix
Just press the button and the panel smoothly slides out. Other Quick Fix secrets are the guiding fingers and the pre-mounted screws. The integrated label holder gives the panel a unique identity.

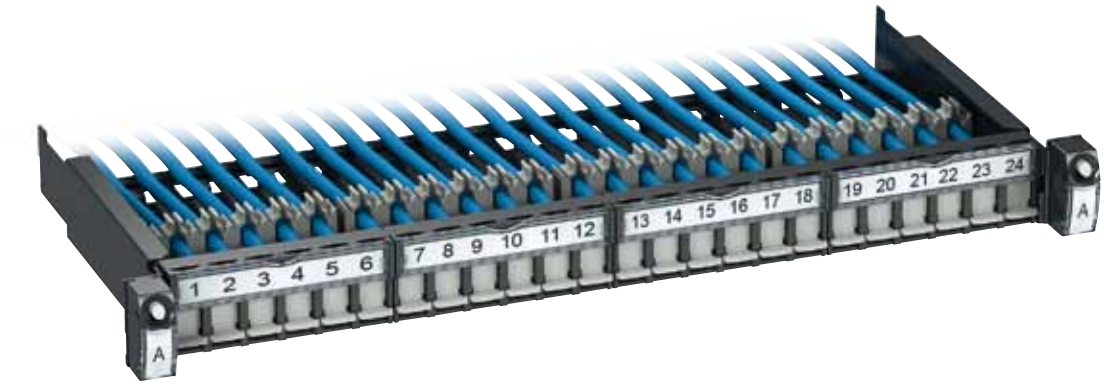
Homogeneous design
Actassi is not only a high quality system, it also looks good! The appearance is really professional since we have kept the same aesthetics for the whole range.

Future proof
All Actassi products are part of our modular offer for creating a professional IT and network environment. The robust design, construction and high-quality materials are other long-lasting guarantees. That's why the Actassi products are future proof.

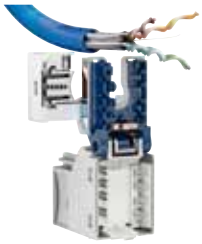
Good overview
The transparent front lids and the top cover protect the patchcords and fibres, and give a clear visibility of the inside.

Actassi data panels

The data panels contain a front configuration for 24 RJ45 connectors. Most panels have the smart Quick Fix function. They are also available pre-equipped with connectors, shutters, label holders and a rear cable organizer. We try to make your life as easy as possible.



Sliding helps installation
Maintenance and extensions are smoothly performed with the help of the Quick Fix sliding function.



Actassi S-One
The connectors are a one-piece design for very fast and reliable wiring. Actassi S-One exceeds component hardware certification for standards like ISO/IEC 11801 amendment 2:2010 for Cat 6A, ensuring optimized network performance.

Cable management
Apart from the systems with colour codes, labels and numbers, the technical setup at the rear of the panel is designed to enhance order. Cables of various diameters are easily mounted and kept in place in specified slots.

Rear position numbers
Keeping track of each RJ45 could sometimes be very hard. Actassi is changing all of that! The cable numbers at the rear correspond to those at the front, simplifying installation and maintenance from both sides of the rack.

Automatic earthing
An automatic earthing for FTP/STP versions is integrated in the panel.

Clear front marking
Each panel plate has an openable label holder. Print your own labels or use the included versions with pre-printed port numbers. Each shutter can also be colour coded for quick identification in both open and closed positions.

Actassi fibre optic panels

A simple all-in-one concept, pre-equipped with for example Quick Fix function, coiling wheels and cable glands. It has a capacity of 24 (SC Duplex) / 48 (LC Duplex) fibres and has transparent lids for protection and a clear visibility of the inside. Can hold up to 4 cover plates, and since it is delivered with 3 blank plates, the choice is open for the fourth to be used according to your needs. The cover plates are available in empty and pre-equipped versions with adapters.

To match your fibre optic panel we have developed a range of pre-equipped coverplates. It's a time-saving, safer and smarter way to work with your installations.

Coiling wheels
The panel contains wheels to keep the fibres in place and to avoid tension on the connectors. This will also give a correct bending radius and more space for excess lengths of the fibres.

Excellent protection
The transparent covers give both protection and overview. The front covers can be opened for quick access and the top cover is easily removed.

Clear marking
Since the marking is very clear, identifying the cable you are looking for will never be a problem.

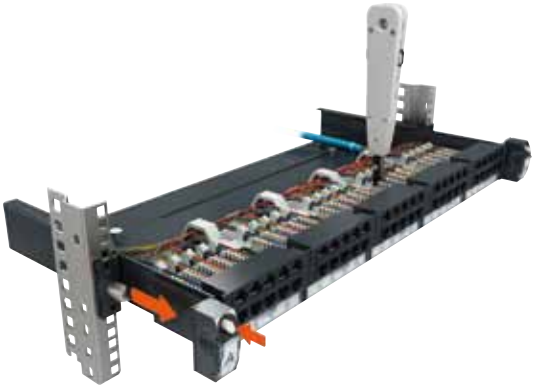
Integrated guiding panel
A patchcord guiding panel, with smoothly shaped edges to protect the cords, is integrated in the panel. So there is no need to add a separate guiding panel that would take another 1U space.

Rear quick fixation
A quick-fixation system is provided for the cables at the rear. Use the provided 16 mm glands for cables. If a 21mm gland (not provided) is needed, just remove the rear plastic support and fix the gland directly in the cable entry. Quick and easy!

Sliding function
The panel can be slided or completely removed for a more convenient working position.

Actassi telecom panels

The smart and high capacity 19" telecom patch panel provides up to 50 connections. Very easy fixation of the panel thanks to the Quick Fix function with guiding fingers and pre-mounted screws. The label holders are easily opened without using any tool.



Exceptional robustness
The sliding function does not deteriorate the stability. As a proof you can use the punch down tool for LSA contacts with the panel in a sliding-out position. You don´t need to remove it from the rack first!

Punch down tool
This is the punch down tool for LSA contacts, to be used for telecom cable connections.

Cable identification
No need trying to figure out which cable goes where. The cable identification is very clear on the clever fixing guides.

Safe and easy earthing
The panel has two earthing connection points for both shielded cables and for the rack, easily accessible at the rear.

Clear marking
The telecom panel comes with pre-printed labels and openable label holders.

Cable managers and accessories

The Actassi system also includes a range of power panels and smart accessories for improved cable management. The power panels are available in several versions, for example with a protected light switch and overvoltage protection. The innovative patchcords guiding panel is equipped with four openable rings, managing up to 24 cords.

Brush panel*
A patch-cord guiding panel for path-through application, blocking air-flow for a better cooling on the cabinet.

* Available from end 2012

Blank panel
For a homogeneous design this accessory, a blank metal panel, comes in handy. Instead of an empty gap you'll have an aesthetically clean and designed front cover.

Guiding panel
Keep the cords in order! This smart panel manages 24 to 48 cords. It´s easily opened but still safe, since a clever device prevents cords from falling out. Also possible to pull out only one cord if needed.

Vertical rings for rack 800mm wide
A smart detail – attached to each side of the guiding panel (or any panel maintained by the Quick Fix) these vertical rings will support and fasten your installation with a 48 cord capacity.

Vertical rings for rack 600mm wide
For the 600mm wide racks, use the smaller tie up devices to keep your installations in neat order.

19-C Copper panels
Range

Telecom panel 50 ports

- Telecom panel 50 ports in 2 rows.
- 1U height.
- The telecom cable wires are terminated in LSA punch down blocks on the PCB according to a clear numbering.
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature.
- With label holders.
- Cable organizer at the rear with number identification.
- Active Pin-out: 63,45 (2 pairs) for telephony.
- Includes two cage nuts M6 compatible with 8,5 x 8,5mm & 9,5mm x 9,5mm 19" perforations.
- With label holder and automatic earth kit.
- LSA punch down tool VDIB299001 requested.
- Dark grey RAL7016.

VDIG141501

Description	Reference
Telecom panel 50 ports	VDIG141501

Equipped sliding panel 1U 24 ports

- Equipped sliding 19" copper panel (with connectors, not mounted).
- 1U height, 220mm depth.
- 24 RJ45 ports.
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature.
- Evolution : Panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear.
- Metal sheet: Thickness 1,2 mm. Dark grey RAL 7016.
- Plastic parts in PA66 GF20 or PA6.
- Simple clicking connectors for mounting.
- Automatic earthing with the pre-equipped bus bar for FTP/STP versions.
- Dark grey RAL7016.

Evolution version: Pre-equipped with 24 RJ45 Slim connectors (not mounted) and 24 light grey shutters, 4 label holders, 1 rear cable organizer.

VDIG112241U50 /
VDIG112241F50

Description	Reference
Category 5e	
Equipped panel 1U with 24 RJ45 Cat 5e UTP	VDIG112241U50
Equipped panel 1U with 24 RJ45 Cat 5e FTP	VDIG112241F50
Category 6	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	VDIG112241U60
Equipped panel 1U with 24 RJ45 Cat 6 STP	VDIG112241B60
Category 6_A	
Equipped panel 1U with 24 RJ45 Cat 6_A UTP	VDIG118241UX0
Equipped panel 1U with 24 RJ45 Cat 6_A STP	VDIG328241BX0

19-C Copper panels
Range

Empty flat panel with connectors in angle, 1U 24 ports

- 1U height.
- 24 RJ45 ports.
- Allows high-density cooper ports installation. Connectors are positioned in angle Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412).
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature.
- Equipped with a label holder and a cable manager at the rear.
- The cable manager can rotate and be removed to ease the accessibility.
- Metal Sheet: Thickness 1,2mm.
- Dark grey RAL 7016.
- Plastic parts in PA66 GF20 and PC.
- Simple clicking the connectors for mounting.
- Automatic earthing with pre-equipped bus bar.
- Use S-One RJ45 connectors to load the panel.
- Connectors details on page 40 (request two pack of 12).

Description	Reference
Empty flat panel with connectors in angle 1U FTP/STP 24 ports*	VDIG328241BX0

* Available from end 2012

VDIG328241BX0

Equipped flat panel with connectors in angle, Cat 6_A STP, 1U 24 ports

- 1U height.
- 24 RJ45 ports.
- Allows high-density cooper ports installation. Connectors are positioned in angle Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412).
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature.
- Equipped with a label holder and a cable manager at the rear.
- The cable manager can rotate and be removed to ease the accessibility.
- Metal Sheet: Thickness 1,2mm.
- Dark grey RAL 7016.
- Plastic parts in PA66 GF20 and PC.
- Simple clicking the connectors for mounting.
- Automatic earthing with pre-equipped bus bar.

Equipped flat 19" copper panel with connectors in angle (connectors included, not mounted)

Description	Reference
Equipped flat panel with connectors in angle 1U with 24 RJ45 Cat 6_A STP*	VDIG328241BX

* Available from end 2012

VDIG328241BX

19-C Copper panels
Range

Empty fixed panel for keystone UTP connectors
1U 24 Ports

- Empty fixed 19" copper panel (without connectors).
- 1U height.
- 24 RJ45 ports.
- Supports up to Cat5e / Cat6 connectors (references on page 41). $Cat6_A$ UTP connectors not supported.
- 1 Quick Fix function on both sides to allow a simple, quick fixing position.
- Panels equipped with 4 labels holders and a metal tray cable manager.
- Metal sheet: Thickness 1,2mm. Dark grey RAL 7016.
- Plastic parts in PA66 GF20 or PA6.
- Simple clicking connectors for mounting.
- Optional cable organizer (Reference VDIM11U001) can be added.

VDIG113241U

Evolution version: Pre-equipped with 4 label holders and a metal tray cable manager.

Description	Reference
Empty panel 1U for S-110 connectors Keystone UTP 24 ports	VDIG113241U

Loaded panel for keystone UTP connectors
1U 24 Ports

- Loaded 19" copper panel (with connectors, not mounted).
- 1U height.
- 24 RJ45 ports.
- 1 Quick Fix function on both sides to allow a simple, quick fixing position.
- Panels equipped with 4 labels holders and a metal tray cable manager.
- Metal sheet: Thickness 1,2mm. Dark grey RAL 7016.
- Plastic parts in PA66 GF20 or PA6.
- Simple clicking connectors for mounting.

VDIG113241U50 /
VDIG113241U60

Evolution version: Pre-equipped with 24 RJ45 S-110 Keystone connectors (not mounted) and a metal tray cable manager.

Description	Reference
Category 5e Equipped panel 1U with 24 RJ45 S-110 connectors Keystone Cat 5e UTP (reference VDIB17765UBK)	VDIG113241U50
Category 6 Equipped panel 1U with 24 RJ45 S-110 connectors Keystone Cat 6 UTP (reference VDIB17766UBK)	VDIG113241U60

Cable organizer

- Pack of 4 cable plastic organizers to click on the back of the cable manager.
- Option for fixed panel VDIG113241U, VDIG113241U50, VDIG113241U60 already included on sliding patch panels.

VDIM11U001

Description	Reference
Cable organizer for fixation of up to 24 cables inside the panel	VDIM11U001

19-C Copper panels
Range

Patchcord guiding panel (Quick fix, metal base)

- Patchcord guiding panel.
- 1U / 2U.
- 1 Quick Fix function on both sides to allow a simple, quick fixing position.
- 4 openable rings, to support 24 patchcords (1U) or 48 patchcords (2U).
- Patchcord holder integrated inside the ring for opened position.
- Fixed version available.
- Dark grey RAL7016.
- Two cage nuts included.

VDIG188141

VDIM189412

Description	Reference
Patchcord guiding panel 1U with 4 openable rings	VDIG188141
Patchcord guiding panel 2U with 4 openable rings*	VDIG188142

* Available from end 2012

Patchcord guiding panel (fixed, plastic)

- Rack mount clips eliminate the need for cage nuts and screws.
- Reinforced cable management rings can accommodate up to 50 patch cords.
- Cavities behind each ring provide additional space for cable slack.
- Additional depth on cable rings ensures compliance with minimum bend radius requirements.
- Compliments Actassi Patch Panel styling.

ACTRJ1UCMPC

Description	Reference
Patchcord guiding panel 1U fixed	ACTRJ1UCMPC

Patchcord guiding panel (fixed, metal base)

- Panel with metal fingers and plastic cover.
- Metal base powder coated to provide protection against scratches and dust.

ACTRJ1UCMPM

Description	Reference
Patchcord guiding panel 1U fixed	ACTRJ1UCMPM

Brush panel (Quick fix, metal base)

- Patch-cord guiding panel for path-through application.
- 1U.
- Dark grey RAL 7016.
- Blocking air-flow for a better cooling on the cabinet.
- For connection from the back to the front of the cabinet, such as blade server connectivity, or NVR/DVR CCTV video storage.

VDIG188201

Description	Reference
Patchcord brush panel 1U*	VDIG188201

* Available from end 2012

19-C Copper panels
Range

VDIM189112

VDIM189412

VDIM189111

Vertical rings

- Rings for vertical management of patchcords.
- Openable.
- For racks 800 x 800 mm and 600 x 600 mm.
- Can be fixed on each side of any QuickFix system panel or guiding panel.
- Large capacity up to 48 cords.

Description	Reference
Rings for vertical management of patchcords, for rack 800 mm wide	VDIM189112
Rings for vertical management of patchcords, for rack 600 or 800 mm wide	VDIM189412
Rings for vertical management of patchcords, for rack 600 mm wide	VDIM189111

VDIM11U***

RJ45 Shutters

Description	Reference
Shutters, blue, pack of 24 pcs	VDIM11U241
Shutters, yellow, pack of 24 pcs	VDIM11U242
Shutters, green, pack of 24 pcs	VDIM11U243
Shutters, red, pack of 24 pcs	VDIM11U244
Shutters, grey, pack of 24 pcs (already included in Quick fix panel)	VDIM11U246

VDIM48E011

Rack earthing kit

Description	Reference
Rack earthing kit, pack of 10 pcs	VDIM48E011

VDIG188021

Metal blank panel

- 1 Quick Fix function on both sides to allow a simple, quick fixing position

Description	Reference
Blank panel 1U	VDIG188021

VDIG188011

Metal shelf

- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Reference
Shelf 1U, depth 250 mm, for max weight 15 kgs	VDIG188011

VDIB299001

Tool

Punch Down Tool for LSA contacts, to use for Telecom panel cable connection

Description	Reference
Punch down tool LSA Contacts	VDIB299001

19-C Copper panels
Range

Fixed Panel 1U 24 ports

- Key Stone footprint, supporting Blue link connector.
- 1U height.
- 24 RJ45 ports.
- Front Labelling System.
- Compatible with 19" equipment rack.
- Fully compliant with ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-B Series Connecting hardware solutions.
- Power coated for protection against scratches and rust.
- Rear cable holder included.

Fixed Unloaded Panel

ACTPPS24NSU

ACTPP6U24NSSUN

ACTPPAS24NS

Description	Reference
Empty panel 1U STP Keystone Connector (Use Keystone STP connectors to load the panel. Connectors details on page 41, Max 24 ports)	ACTPPS24NSU
Empty panel 1U UTP Keystone Connector (Use Keystone UTP connectors to load the panel. Connectors details on page 41. Not suitable for Cat 6_A UTP application. Max 24 ports)	ACTPP6U24NSSUN
Empty panel angled 1U STP Keystone Connector (Use Angled Keystone Cat 6 or Cat 6_A STP connector to load the panel. Connectors details on page 41. Not suitable for Cat UTP application. Max 24 ports)	ACTPPAS24NS
Empty panel 1U UTP Keystone Connector (Use Angled Keystone Cat 6 UTP connector to load the panel. Connectors details on page 41. Not suitable for Cat 6_A UTP application. Max 24 ports)	ACTPPAU24NS

Fixed Cat 6_A Loaded Panel

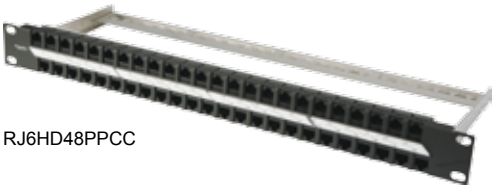
ACTPP6ATGU24NSS

ACTPP6ATGS24NSS

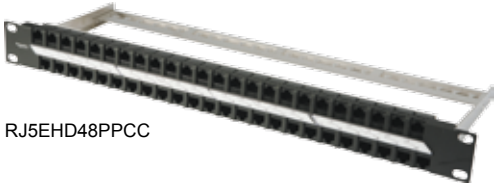
Description	Reference
Equipped panel 1U UTP Cat 6_A with 24 RJ 45 Keystone Connectors, Non - Shutter	ACTPP6ATGU24NSS
Equipped panel 1U UTP Cat 6_A with 24 RJ 45 Keystone Connectors, Shutter	ACTPP6ATGU24SHS
Equipped panel 1U STP Cat 6_A with 24 RJ 45 Keystone Connectors	ACTPP6ATGS24NSS

19-C Copper panels
Range

ACTPP6U24NSS



RJ6HD48PPCC



RJ5EHD48PPCC

Fixed Cat 6 Loaded Panel

Description	Reference
Equipped panel 1U UTP Cat 6 with 24 RJ 45 Keystone Connectors, Non - Shutter High Density Panel	ACTPP6U24NSS
Equipped panel 1U UTP Cat 6 with 48 RJ 45 Keystone Connectors	RJ6HD48PPCC

Fixed Cat 5e Panel

Description	Reference
Equipped panel 1U UTP Cat 5e with 48 RJ 45 Keystone Connectors	RJ5EHD48PPCC

19-C Copper panels
Range

110 Connector System

Key Features
- Popular 110 connector technology.
- Available with or without legs for the Block Base.
- Speedy 5-Pair punch down Block Base saving installation time and cost.
- Suitable for jumper wire or patch cords.
- 4 and 5-Pair 110 connectors available.

Customer Benefits
- More cost-effective solution than RJ45 patching solutions.
- Supports Category 5e performance.
- Wire management available for jumpers and patch cords to prevent accidental disconnection.
- Label holder and label for easy circuit identification.
- 1,2 and 4-Pair patch cords available for data, fax and voice applications.

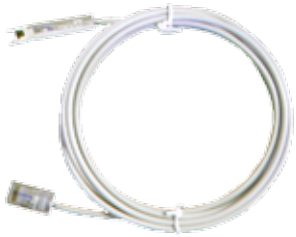
ACTC5E110WMW100

Description	Reference
50-Pair, Base Connector, without Legs	ACTC5E110WMN50
50-Pair, Base Connector, with Legs	ACTC5E110WMW50
100-Pair, Base Connector, without Legs	ACTC5E110WMN100
100-Pair, Base Connector, with Legs	ACTC5E110WMW100
110 Cable Management Panel	ACT110CMP
4-Pair Connector (100 pcs/bag)	ACTC5E110BL4P
5-Pair Connector (100 pcs/bag)	ACTC5E110BL5P
4 and 5-Pair Connector Kit (for 100-Pair) (20xC4 + 4xC5)	ACTC5E110BL45P
Wall box-miniatune	C110RJ015CC
110 Kit, 50-Pair Base and 10xC4 + 2xC5 Connector, without Legs	ACTC5E110WMN50K
110 Kit, 50-Pair Base and 10xC4 + 2xC5 Connector, with Legs	ACTC5E110WMW50K
110 Kit, 100-Pair Base and 20xC4 + 4xC5 Connector, without Legs	ACTC5E110WMN100K
110 Kit, 50-Pair Base and 20xC4 + 4xC5 Connector, with Legs	ACTC5E110WMW100K
100-Pair, 19" Rack Mount	ACTC5E110RM100P

Category 6 110-RJ45 Patch Cords

Key Features
- UL Listed CM Fire rated jacketing.
- PE insulation on conductors.
- PVC outer jacket material.
- Available in multiple lengths and 1,2 and 4-pair configuration.

Customer Benefits
- Category 6 ANSI/TIA/EIA-568-B compliant.
- Available in various lengths to assist in better cable management.
- Available in multipair configuration to cater to data, fax and voice applications.



ACT6110PC1PB2

Description	Reference
Category 6, 110-RJ45, 1-Pair, Patch Cord, 1.0m	ACTC6110PC1PB1
Category 6, 110-RJ45, 1-Pair, Patch Cord, 2.0m	ACTC6110PC1PB2
Category 6, 110-RJ45, 1-Pair, Patch Cord, 3.0m	ACTC6110PC1PB3
Category 6, 110-RJ45, 2-Pair, Patch Cord, 1.0m	ACTC6110PC2PB1
Category 6, 110-RJ45, 2-Pair, Patch Cord, 2.0m	ACTC6110PC2PB2
Category 6, 110-RJ45, 2-Pair, Patch Cord, 3.0m	ACTC6110PC2PB3
Category 6, 110-RJ45, 4-Pair, Patch Cord, 1.0m	ACTC6110PC4PB1
Category 6, 110-RJ45, 4-Pair, Patch Cord,2.0m	ACTC6110PC4PB2
Category 6, 110-RJ45, 4-Pair, Patch Cord, 3.0m	ACTC6110PC4PB3

Actassi
Actassi

Actassi Smart Patching Solutions

Range

ID-Tracer™ LAN Controller 34

Category 6 (UTP) ID-Tracer™ Patch Panel 34

Category 6 / 6_A ID-Tracer™ Patch Panel 34

ID-Tracer™ Intelligent Fiber Optic Panel 35

ID-Tracer™ Software 35

ID-Tracer™, enjoy comfortable full control at all times

The hardware excellence of our Smart Patching Solution will further enhance the performance of our ID-Tracer™ solution.

Today's IT Professionals must respond quickly to network planning and operations. The biggest challenges involve setting up large IT infrastructures for new or newly relocated offices, and network management changes resulting from company re-structuring. Including patch panels, LAN controllers and software, our ID-Tracer™ Smart Patching Solution ensures efficient and reliable remote patching of such large dynamic networks.

Your ideal guiding light for patching

The hardware excellence of our Smart Patching Solution will further enhance the performance of our ID-Tracer™ solution:

- Efficient patching of port IDs with dynamic labelling
- Changeable port ID numbers with scrolling LEDs in up to 5 digits
- Channel designation via function-icons changeable in 6-colors
- Optional "green", energy-efficient sleep mode on LEDs
- Simple system set up of LAN Controllers with a built-in power supply
- Enables Network Administrators to carry out real-time M.A.C.s (Move, Add, Changes) anytime, anywhere via a userfriendly software interface
- Instant disconnection alerts ensure more secure control of network activities
- Standard patch cords supported

Smart Patching Solutions
Range

The Actassi Smart Patching Solution consists of Actassi Patch Panel, ID-Tracer™ Control Software, and LAN Controller.

ID-Tracer™ LAN Controller

Each Actassi LAN Controller is an intelligent product that provides power supply and control management for up to 10 Actassi Patch Panels. It has dynamic LED lights to indicate the power status of the overall Actassi LAN Controller as well as the online status for each connected Actassi Patch Panels.

Product features
- Dynamic LED display to indicate power status “on/off”.
- Dynamic LED display to indicate panel connectivity status.
- Supports up to 10 Actassi patch panels simultaneously.
- Real-time remote patching.

Customer benefits
- Explicit indication of power status and patch panel connection.
- Reliable operation life cycle.
- Easy network management of large and dynamic networks.

Description	Reference
ID-Tracer™ LAN Controller (for LAN version)	TPFPU10

TPFPU10

Category 6 (UTP) ID-Tracer™ Patch Panel

The Actassi ID-Tracer™ Patch Panel is an intelligent Category 6 Patch Panel with built-in connectivity monitoring to report and monitor the online connectivity status of the entire cabling network. Network administrators are able to manage overall network activities such as Move, Add or Change (MAC) in an easy manner. Customers are able to plan and optimize their network resources while dealing with various Cabling requirements. The Actassi Patch Panels are scalable by as few as 24-ports (single panel version). LAN version is also available by matching one Actassi LAN Controller per group of maximum 10 Actassi Patch Panels.

Product features
- Scalable by as few as 24-ports (one single patch panel).
- Dynamic labeling port ID in scrolling LED up to 5 digits.
- Dynamic channel designation by functional icons in 6-colors.
- Real-time security alert for disconnection and unauthorized patching.
- Patch Cords contact-switch mechanism.
- Compatible with standard 19” cabinet/rack.
- 5 levels of LED luminous intensity.
- Automatic sleep mode by preset functions.

Customer benefits
- Explicit ID labeling and LED indication.
- Allow distinguish icon identifications.
- Provide connectivity monitoring and security alert.
- Login security for authorized personnel.
- Real-time record for any MACs for Network administrator.

Description	Reference
Actassi Category 6 UTP ID-Tracer™ Patch Panel, 24-Port	RJ6A1/24PPPS

RJ6A1/24PPPS

Category 6/6A ID-Tracer™ Shielded Patch Panel

Product features
- Replaceable Shielded Modular Jack.
- Replaceable LED module.
- Patch cords contact-switch mechanism.
- Wake-up button during Sleep Mode.
- Fully comply TIA/EIA-568C and ISO/IEC 11801 Category 6A Standards.

Description	Reference
Actassi Category Cat 6A STP loaded	ACTPP6ATGS24NSL
Actassi Category Cat 6 STP loaded	ACTPP6S24NSL

ACTPP6ATGS24NSL /
ACTPP6S24NSL

ID-Tracer™ Intelligent Fiber Optic Panel

Actassi ID-Tracer™ intelligent fiber optic patch panel comes with built-in monitoring capabilities, reporting and monitoring the entire wiring network online while in connected state. The network administrator can easily manage the entire network of activities, such as move, add or change (MAC).

Patch panel itself is not pre-installed and can be fitted with adaptor plates in a group of 3 in one panel. The adaptor plates come with an option of either 8 LC or SC adaptors.

Product features

- Explicit ID labeling and LED indication.
- Provide connectivity monitoring and security alert.
- Real-time record for any MACs for network administrator.
- Energy efficiency and economic.
- Nylon cable radius guide and center strength member clamp.
- Easy Access slide-out and removable Acrylic cover.
- Slide in cable entry panel with 2 x 25mm diameter holes.
- Cable fiber track cover provides additional protection and a clean look.
- Access connector panel with front quick release latch cover.
- Support OM2, OM3, OM4 multimode fibre links.
- Support OS1, OS2 singlemode fibre link.

ACTFM1U224L

ACTFA2C8MMZP

Description	Reference
1U, 24-Port LED Fibre Slide Encl, Unloaded	ACTFM1U224L
8-Port Adaptor Plate, LC Module, Duplex, Single Mode	ACTFA2L8SMZP
8-Port Adaptor Plate, SC Module, Duplex, Single Mode	ACTFA2C8SMZP
8-Port Adaptor Plate, LC Module, Duplex, Multi Mode	ACTFA2L8MMZP
8-Port Adaptor Plate, SC Module, Duplex, Multi Mode	ACTFA2C8MMZP

ID-Tracer™ Software

Actassi ID-Tracer™ Software is an intelligent yet user friendly software that enables easy network management in realtime. There are two versions of software, one for single panel version and the other one for LAN version. Combined with other Actassi Products, they are the prefect solution to voice, data and video communications needs.

Product features

- User interface for login, data input and event log of network activities.
- User friendly pull-down menu.
- Import/Export data in Excel format.

Customer benefits

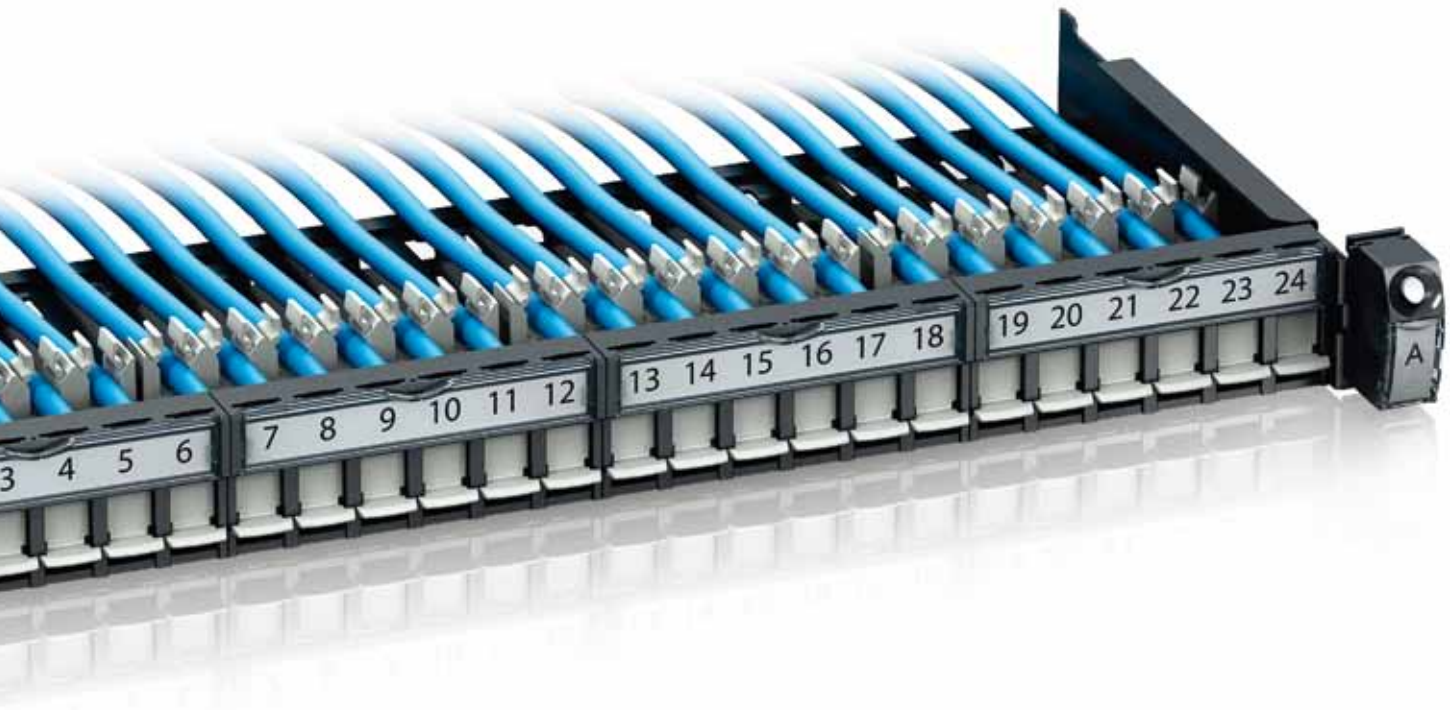
- Easy network management of large and dynamic networks in real-time and can be done anywhere.
- Real-time security on cabling system and network.
- Sleep mode function for energy efficiency.

System Requirements

- Microsoft Windows 2000/ XP/ Vista.
- Pentium 4 2.0 GHz or above.
- 256MB RAM.
- 200MB Hard-drive space.
- 8x speed CR-ROM drive.
- USB 2.0 Interface.
- 10/100M network card.
- Real-time security alert for patch cord disconnection and unauthorized patching.
- Automatic sleep mode function for LED on patch panels.

TPFSUSV / TPFSULV

Description	Reference
Actassi ID-Tracer™ Software Pack, Single Panel Version	TPFSUSV
Actassi ID-Tracer™ Software Pack, LAN Version	TPFSULV


3 4 5 6
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24
A

Actassi Copper solution

Connectors 37

Wall Plates 42

Copper Cables 43

Copper Patch cords 55

Actassi connectors colour-coded

The Actassi RJ45 wire organizers are colour-coded to make performance identification safer and easier. Both shielded and unshielded connectors are coded according to the same system. Connectors are keystone footprint.

Shielded

The shielded Actassi connectors have two very time saving and safe features.

Unshielded

The unshielded Actassi connectors have a smooth feel. The design promotes safety and comfort by its finely contoured shape, edges and elastomer insert.

Practical eco-box

- Box of connectors for shielded version.
- Connectors delivered open, ready to connect.
- Cardboard package for easy recycling.

Full compliance with ISO/IEC 11801:2011 Ed2.2

To get your complete network installation classified you need to work with classified components. That's why you should choose our solutions. We provide seamless end-to-end connectivity through safe, speedy and reliable network installations. We are constantly adjusting and updating our portfolio, and at the same time making sure that they are fully compatible with older and future solutions.

Up to 10 Gbps Ethernet

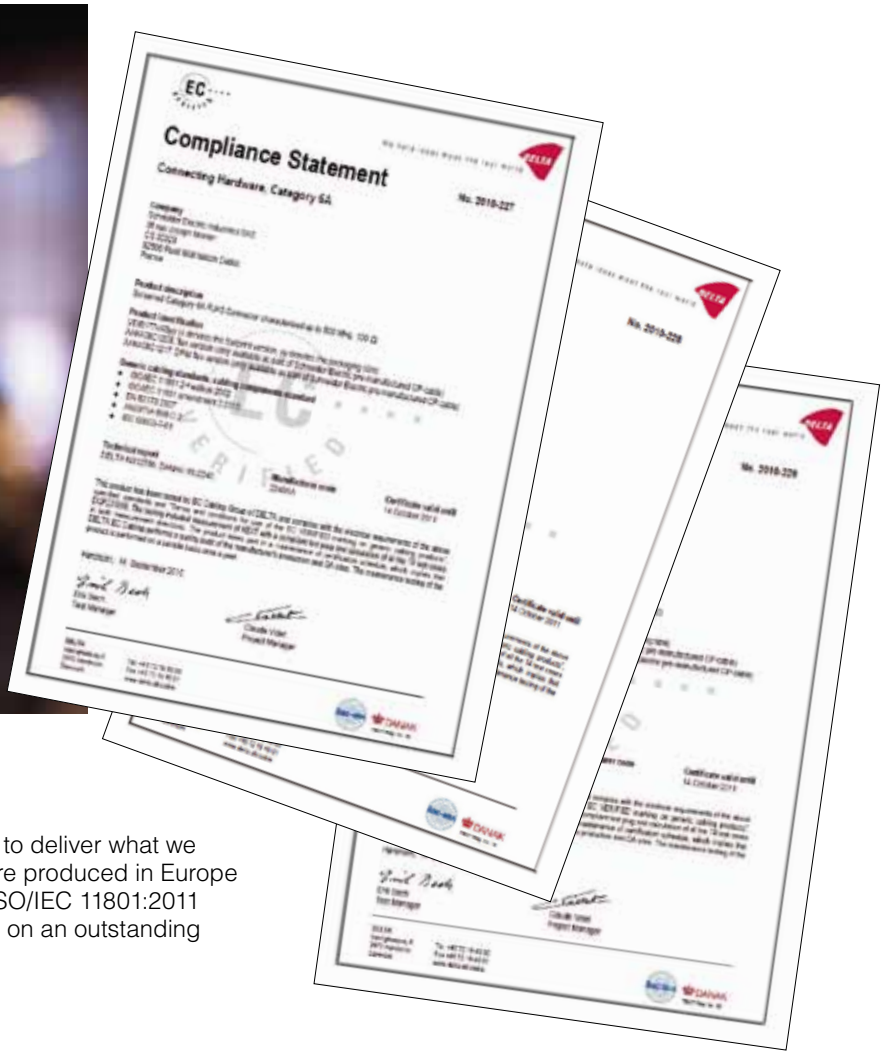
Cat 6_A

Up to 1 Gbps Ethernet

Cat 6

Up to 1 Gbps Ethernet

Cat 5e



Every part in our Actassi range is certified to deliver what we claim they will. The Actassi components are produced in Europe and Asia Pacific and fully compliant with ISO/IEC 11801:2011 Ed2.2 for Cat 6_A, so you can always count on an outstanding performance and reliability.

S-One RJ45 Connectors
Range

Actassi S-One RJ45 connectors

- Performance categories: Cat 6_A, 6 and 5e, shielded and unshielded.
- Material: Shielded in zamak, unshielded in ABS plastic.
- Size: Height 28 mm, width 18 mm, depth 35 mm.
- Applicable standards:
  - ISO/IEC 11801:2011 Ed2.2, class EA permanent link and channel.
  - IEC 60603-7-51 Cat 6_A connecting hardware.
  - ANSI/TIA-568-C.2 Cat 6_A connecting hardware.
- One-piece design and U-shaped cable entry.
- Tool-less IDC termination.
- Earthing (shielded): Metallic, 360° self-adjusting, plus drain wire contact.
- Operational temperature range: - 40° C to + 70° C.
- Footprint on wiring device: slim InfraPlus.

S-One C6_A – Cat 6_A

VDIB1772XU12

VDIB1772XB12

Description	Qty/pack	Reference
RJ45 Connector Cat 6_A Unshielded Black, Dark blue color on top	12	VDIB1772XU12
RJ45 Connector Cat 6_A Shielded Metal, Dark blue color on top	12	VDIB1772XB12

S-One C6 – Cat 6

VDIB17726U12

VDIB17726B12

Description	Qty/pack	Reference
RJ45 Connector Cat 6 Unshielded Black, Light blue color on top	12	VDIB17726U12
RJ45 Connector Cat 6 Shielded Metal, Light blue color on top	12	VDIB17726B12

S-One C5e – Cat 5e

VDIB17725U12

VDIB17726B12

Description	Qty/pack	Reference
RJ45 Connector Cat 5e Unshielded Black, Green color on top	12	VDIB17725U12
RJ45 Connector Cat 5e Shielded Metal, Green color on top	12	VDIB17725B12

Keystone RJ45 and RJ11 Connector
Range

Actassi Keystone RJ45 connectors

- Performance categories: Cat 6A, 6 and 5e, shielded and unshielded.
- Applicable standards:
  - ISO/IEC 11801:2011 Ed2.2, class EA permanent link and channel.
  - ANSI/TIA-568-B.2-10 Cat 6A connecting hardware.
  - ISO/IEC 11801 Edition 2002, class E and D permanent link and channel.
  - ANSI/TIA-568B Series connecting hardware.
- Tool-less IDC termination for Shielded Connectors.
- Keystone Design.
- Supports up to 10G ethernet application (Cat6A / Class Ea).
- Operational temperature range: - 40° C to + 70° C

ACTRJSMTG6ANSSP

Keystone Cat 6A

Description	Reference
RJ45 Keystone connector Cat 6A, black, unshielded*	VDIB1776XUBK
RJ45 Keystone connector Cat 6A unshielded, black with shutter*	VDIB1774XUBK
RJ45 Keystone connector Cat 6A shielded	ACTRJSMTG6ANSSP
RJ45 Keystone connector Cat 6A shielded angled	ACTRJSMA6ANSS

* White colour available on request

VDIB17766UBK

ACTRJSMA6NSUBK

ACTRJSM6NSSP

Keystone Cat 6

Description	Reference
RJ45 Keystone connector Cat 6 unshielded, black*	VDIB17766UBK
RJ45 Keystone connector Cat 6 unshielded, black with shutter*	VDIB17746UBK
RJ45 Keystone connector Cat 6 unshielded angled, black*	ACTRJSMA6NSUBK
RJ45 Keystone connector Cat 6 shielded	ACTRJSM6NSSP
RJ45 Keystone connector Cat 6 shielded angled	ACTRJSMA6NSS

* White colour available on request

ACTRJSM5ENSUWE

ACTRJSM5ENSSP

Keystone Cat 5e

Description	Reference
RJ45 Keystone connector Cat 5e unshielded, white	ACTRJSM5ENSUWE
RJ45 Keystone connector Cat 5e unshielded, black with shutter*	VDIB17745UBK
RJ45 Keystone connector Cat 5e shielded	ACTRJSM5ENSSP

* White colour available on request

Keystone Cat 3 (Telephony)

Description	Reference
RJ11 Keystone connector Cat 3 unshielded, white	DCRJ11KYNUWT

Wall Plates
Range

Wall Plates

Product features

- Designed to accept RJ45 Keystone modular jacks.
- Grid plates comes with standard white colour surround / with self tapping screws.
- Protected clear designation label windows.

Customer benefits

- Complete with all mounting and fixing hardware.
- The front labeling system provides a clear and efficient means of identifying outlets.
- Flame retardant polycarbonate material with finely polished finishing for extra durability, safety and a smarter look.
- Very low profile.

DCBRWPS2PSWT

Actassi Wall Plates

Description	Reference
1 Gang Shuttered, Data Outlet (with screws)	DCBRWPS1PSWT
2 Gang Shuttered, Data Outlet (with screws)	DCBRWPS2PSWT

E2031SRJKI

E2000

Description	Reference
1 Gang Shuttered Keystone Face Plate with Channel & Circuit ID Slot	E2031SRJKI
2 Gang Shuttered Keystone Face Plate with Channel & Circuit ID Slot	E2032SRJKI

KB32RJK

Vivace

Description	Reference
1 Gang Data Outlet with integrated shutter	KB31RJK
2 Gang Data Outlet with integrated shutter	KB32RJK

E8431RJS-SZ

ZENcelo

Description	Reference
1 Gang Data Outlet with integrated shutter Silver Bronze finish	E8431RJS-SZ
2 Gang Data Outlet with integrated shutter Silver Bronze finish	E8432RJS-SZ
1 Gang Data Outlet with integrated shutter White finish	E8431RJS-WE
2 Gang Data Outlet with integrated shutter White finish	E8432RJS-WE

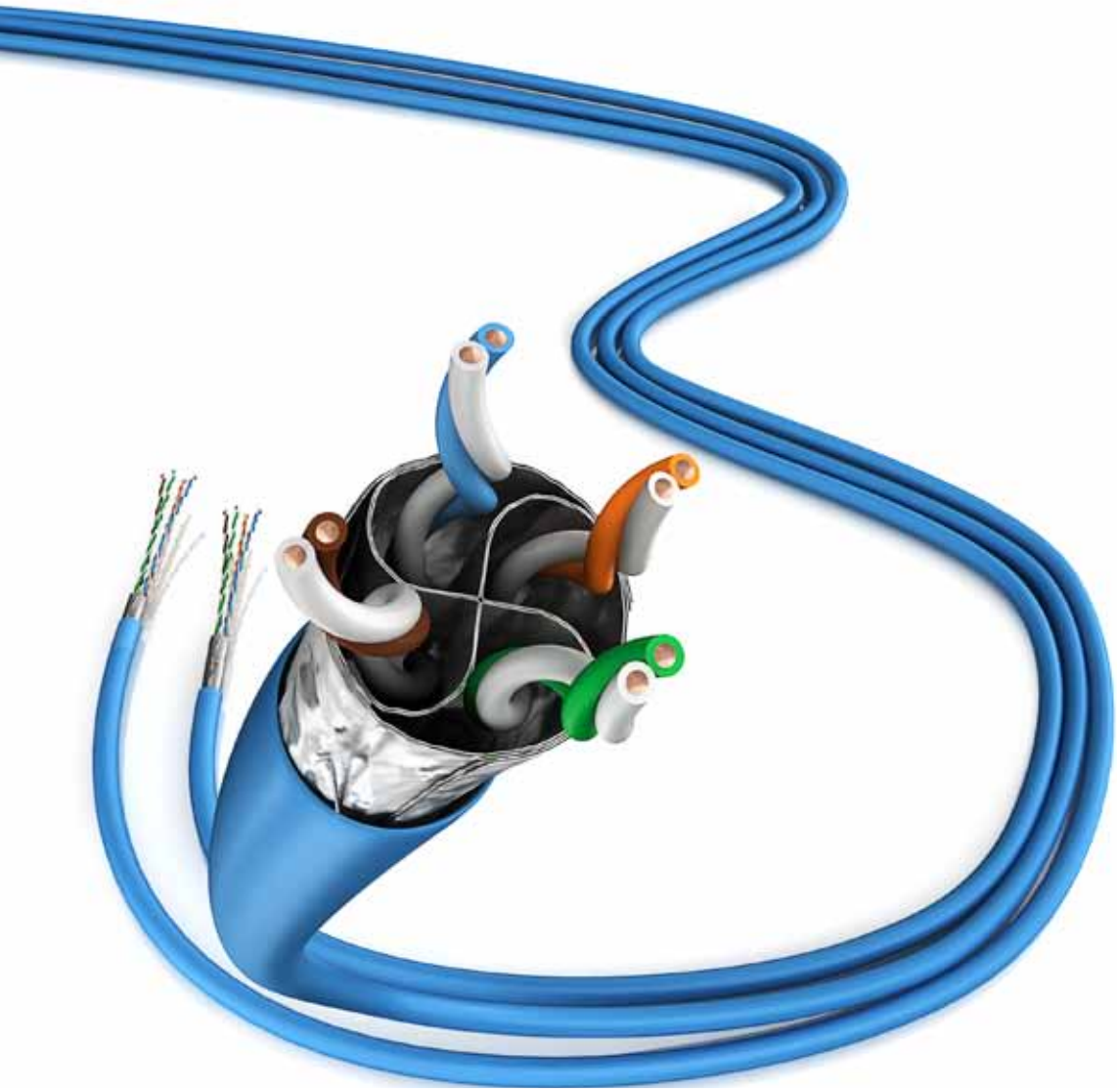
E3031RJK-GS

NEO

Description	Reference
1 Gang Data Outlet Silver Grey finish	E3031RJK-GS
2 Gang Data Outlet Silver Grey finish	E3032RJK-GS
1 Gang Data Outlet White finish	E3031RJK-WW
2 Gang Data Outlet White finish	E3032RJK-WW

Actassi copper cables

Actassi copper cables are available from Category 5 yo Category 7_A to satisfy all possible needs.



Actassi copper cables

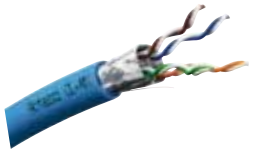
Three ranges that cover all needs

CL-C offer

Standard copper LAN cables for your day-to-day installations, based on U/UTP and F/UTP cables, from category 5 to category 6_A. The CL-C cables are reliable and well-known, with good performance.

CL-MNC offer

High-end copper LAN cables for performances from category 6 to category 7_A 1000 MHz. Exceeding international standards by 3 dB minimum on NEXT & RL. Full Delta certification for components and permanent links.



CL-MX offer

Exclusively designed LAN copper cables for category 6_A with a patented single-foil metallic Xfiller, providing high performance and reliable shielded installations. Exceeding international standards by 3 dB minimum on NEXT & RL. Full Delta certification for components and permanent links.

Actassi offer overview

Type of shielding	Performances			
	Cat. 5	Cat. 6	Cat6_A	Cat7_A
S/FTP				CL-MNC**
F/FTP			CL-MNC CL-MX	CL-MNC
U/FTP		CL-MNC	CL-MNC	
SF/UTP		CL-C		
F/UTP	CL-C*	CL-C	CL-C CL-MNC	
U/UTP	CL-C*	CL-C* CL-MNC	CL-C CL-MNC	

* Available with PVC or LSZH jacket material.
** Available with LSZH or LSFRZH (LSZH + improved Fire Resistance) sheath material.

Cable standardisation

X/X TP

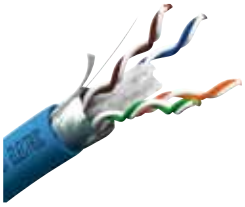
- TP= Twisted Pair
- F= Foil screened, U=Unscreened
- F=Foil screened, S=Braid screened, SF=Braid & Foil screened, U=Unscreened

Actassi copper cables

Some important advantages

CL-MX patented metallic crossfiller

New and patented metallic crossfiller design of the CL-MX LAN copper cable, providing superior shielding, faster installations and increased efficiency.



CL-MNC crossfiller with optimized design and micro-blades

With an optimized design and specific micro-blades, you will have better performances in NEXT and ELFEXT, and a better resistance to the mechanical constraints.

CL-C, CL-MNC, CL-MX conductivity

For the whole offer, the conducting side of the shield is turned outwards. Thus, there is no need to turn the shield inside out before applying the connector to have a good conductivity. You will gain time during installation, there will be no destruction of the shield and you will get very good shielding.

F^2 Construction (Firm & Flexible)

Our patent pending F^2 Construction design delivers unrivalled structural integrity and ensures far superior data transmission performance, more headroom, higher cable balance and reliability.

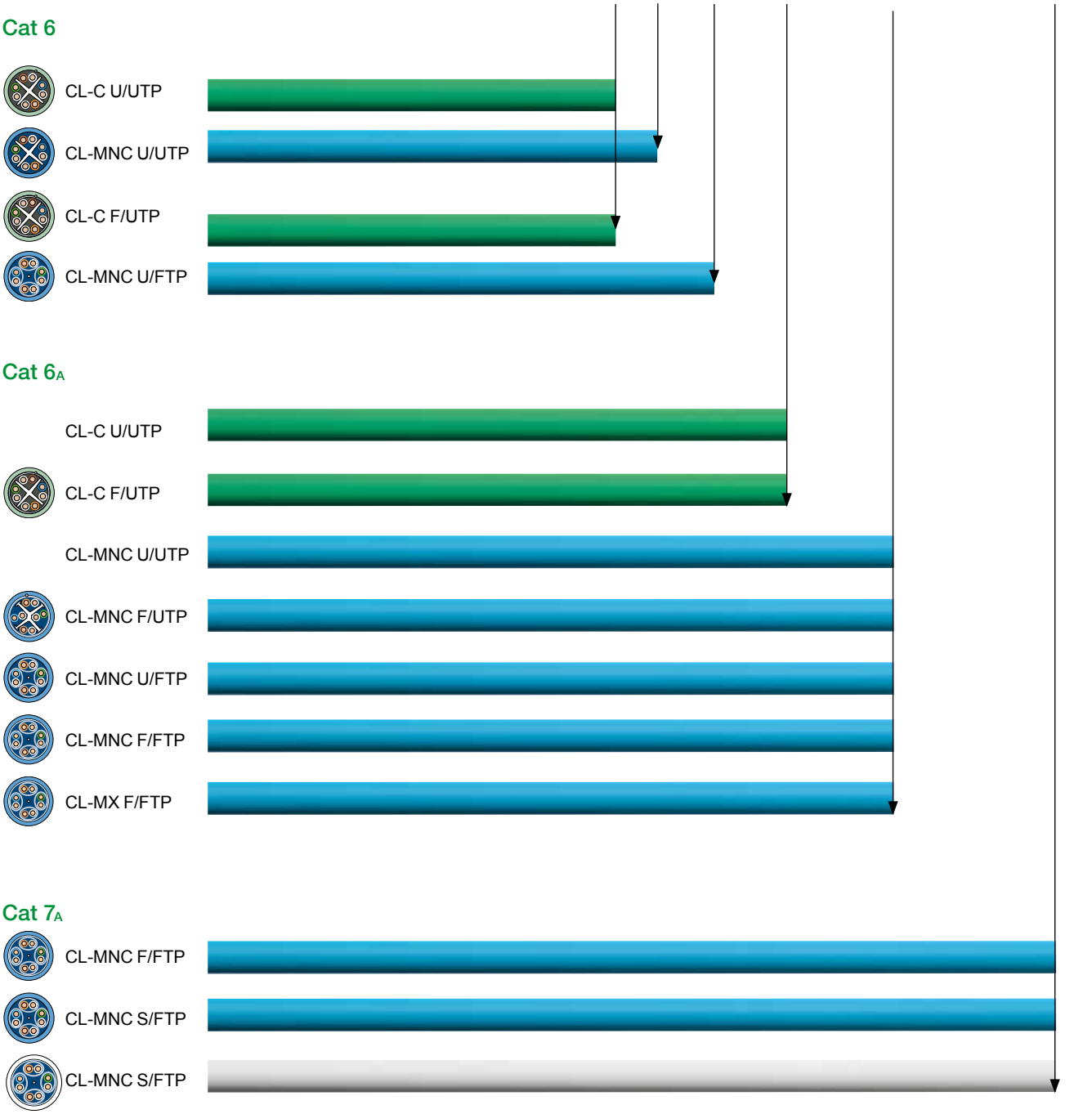
Certificates

All LAN cables from Category 6 are certified at a component level by the independent third-party laboratory. Certificates are regularly updated to be compliant to the latest and highest international standards.

Actassi copper cables

Performances

Frequency (MHz)	250			500		1000
Attenuation (dB)*	33	33	33	45.3	45.3	61.9
NEXT (dB)*	39.3	42.3	59.3	34.8	54.8	60.4
ACR-F (dB)*	20	23	20	14	24	35.3
Propagation speed (%c)	66	66	78	70	70	78



* Nominal characteristics given for 100 meters at maximum frequencies:
250 MHz for category 6, 500 MHz for category 6_A, 1000 MHz for category 7_A.

Actassi CL-MNC F² cables

The efficient, reliable, invisible hero in your office

Structured cabling is the vital link between all the components in your computer network. Poor installation can cause severe bending and stress of cabling, often resulting in system failure. Our "Tough" cabling incorporates a patent-pending F2 construction that guarantees performance under widely varied installation quality. 4-twisted pairs of high-purity solid copper wires optimize flexibility, ease of installation and long-range data transmission efficiency. Durable PVC protective jacket ensures longer product life by keeping cables tangle-free and enhancing tearresistance. High-density Polyethylene insulation provides better protection and optimum resistance to extreme temperatures and climactic conditions.

CL-MNC F² Cat 6 UTP Cable Transmission Performance Table

Freq (MHz)	NEXT (dB)		PS NEXT (dB)		EL FEXT (dB)		Attenuation (dB/100m)		RL (dB)	
1.00	74.30	99.01	72.30	95.02	67.80	90.75	2.02	1.63	20.00	28.82
4.00	65.27	88.22	63.27	86.97	55.76	81.02	3.78	3.37	23.01	34.37
10.00	59.30	80.18	57.30	77.80	47.80	74.32	5.95	5.41	25.00	36.30
16.00	56.24	83.57	54.24	73.94	43.72	75.87	7.55	6.88	25.00	34.81
20.00	54.78	72.49	52.78	72.02	41.78	84.65	8.47	7.71	25.00	38.85
31.25	51.88	73.94	49.88	73.38	37.90	71.38	10.67	9.69	23.64	40.30
62.50	47.36	68.33	45.36	65.40	31.88	61.96	15.38	13.84	21.54	35.15
100.00	44.30	66.38	42.30	64.34	27.80	60.16	19.80	17.65	20.11	39.92
200.00	39.78	68.63	37.78	65.18	21.78	58.57	28.98	25.34	18.00	38.49
250.00	38.33	66.64	36.33	65.15	19.84	59.24	32.85	28.49	17.32	32.92

Superior headroom and bandwidth.

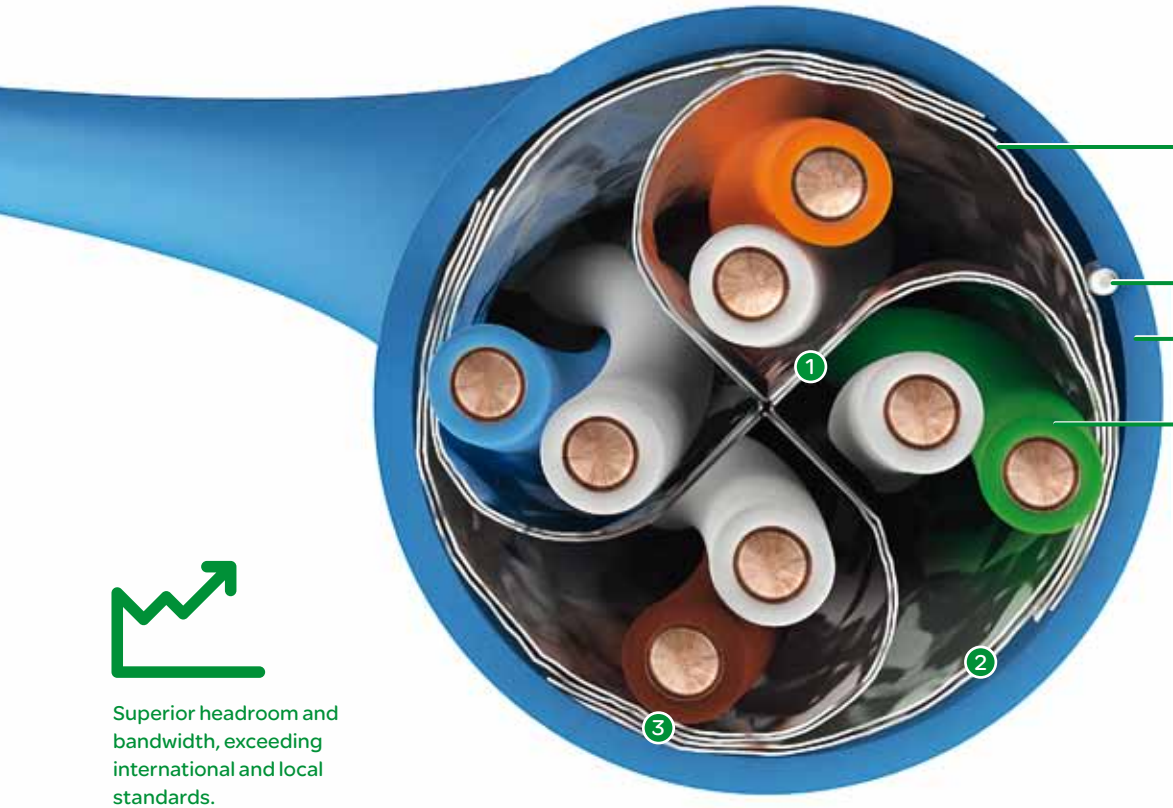
* Values in Grey refer to the requirement of TIA/EIA & ISO/IEC Standards
* Values in Green refer to Typical Actassi F² Cat6 UTP cable performance, tested based on 105 meters.

Actassi CL-MX cables

3 times improved performance with 1 new metallic crossfiller

Visit: http://tv.schneider-electric.com, to download the Actassi CL-MX cable video

The patented crossfiller brings 3x shielding and superior Electro Magnetic Compa- tibility (EMC). Thanks to the unique design, the EMC performance is among the best in the market with performances exceeding the standard requirements for shielded cables with braid (S/FTP). The metallic crossfiller ensures an improved transfer impedance to fit requirements of sensitive areas where data transmission is critical. Best of all, Actassi CL-MX cables require less operations to be installed.



New!
Patented metallic crossfiller for superior EMC and reduced installation time

Drain wire

Outer sheath in LSZH or LSFRZH

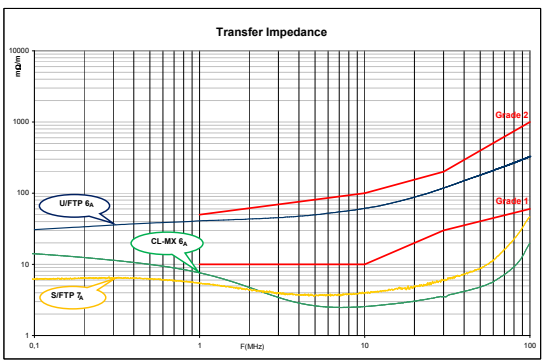
Insulated AWG 23 copper conductors

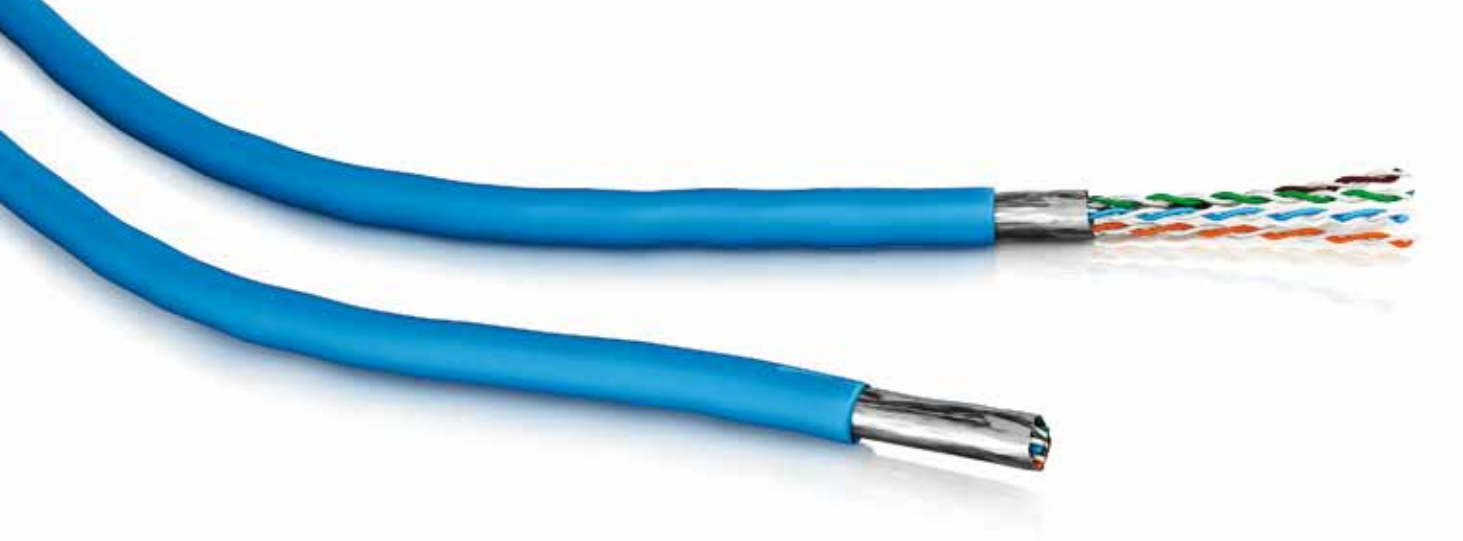
3x shielding
1. Inner cross
2. Outer shielding
3. Double outer shielding

Superior headroom and bandwidth, exceeding international and local standards.

Designed for improved EMC

High-speed transmission protocols beyond 10 Gbit/s highlight ANEXT sensitivity and noise immunity as key performance factors for efficient, secure and robust installations. The single-foil structure of the metallic crossfiller acts like a triple screen protection around the copper twisted pairs. This specific design enhances EMC performances to reach grade 1 on the transfer impedance parameter, which is better than a shielded design with braid.





Better link performance

With Actassi CL-MX the installations are easy and safe. According to the international standards for shielded LAN cables, the use of CL-MX cables will require less installation operations:

- No separation distance to power cabling*
- No ANEXT field testing

*EN 50174-2 to be referred

Improved safety in case of fire

Actassi CL-MX is available in two versions, the flame retardant LSZH and the fire retardant LSFRZH. Both are halogen-free. In case of fire, the result of using CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.

The fire properties are documented by standardized methods according to IEC 60332-1, 60332-3C, 60754-1 and 60754-2.

Less cutting with Actassi CL-MX

3x

Three times faster installation with Actassi CL-MX

Use the cable stripper tool and cut the outer sheath.

Cut the one single foil metallic crossfiller and remove it with a simple grip.

Your CL-MX is ready to connect.

Instead of separate wrapped-in foil pairs (like in traditional F/FTP or F/UTP cables), the Actassi CL-MX new crossfiller is wrapped in one single foil. This means less cutting and improved quality of the cable preparation. No need to pay attention to cutting the foils at exactly the same level, or to the length of the F/UTP plastic cross.

Why traditional F/FTP cables are 3 times slower to install

Prepare your tools.

Use the cable stripper tool and cut the outer sheath.

Cut the outer foil.

Remove the foil.

Separate all pairs and the drain wire.

Cut and remove the foil of the first pair.

Cut and remove the foil of the second pair.

Cut and remove the foil of the third pair.

Cut and remove the foil of the fourth pair.

Copper LAN cables
Range

Category 3

CL-C Cat 3 UTP Multi pair cable

ACT100P3ULS3RGY

Specifications
- 100 ohms, 16 MHz, AWG24
- Available in 25, 50 and 100 pairs
- For backbone telephony application
- Grey

Performances
- Compliant with ANSI/TIA/EIA-568B Category 3 Standard
- IEC LSZH fire retardant tested
- Suitable for IEEE 802.3 10 Base-T or telephony applications

Type	Diameter	Sheath	Length	Ref. No
25 pair cable	11 mm	CM	305	ACT25P3UCM3RGY
25 pair cable	11 mm	LSZH	305	ACT25P3ULS3RGY
50 pair cable	15.8 mm	CM	305	ACT50P3UCM3RGY
50 pair cable	15.8 mm	LSZH	305	ACT50P3ULS3RGY
100 pair cable	22 mm	CM	305	ACT100P3UCM3RGY
100 pair cable	22 mm	LSZH	305	ACT100P3ULS3RGY

Category 5e

CL-C Cat 5e UTP Multi pair cable, Class D

ACT25P5EUCM3RGY

Specifications
- 100 ohms, 100 MHz, AWG24, 25 twisted pairs
- PE Insulation of conductors
- Ideal for IP telephony netwoks and broadband

Performances
- Compliant with Enhanced Category 5 Standard

Type	Diameter	Sheath	Length	Ref. No
25 pair cable	12.5 mm	CM	305	ACT25P5EUCM3RGY
25 pair cable	12.5 mm	LSZH	305	ACT25P5EULS3RGY

ACT4P5EUCM3RBBU

CL-C Cat 5e U/UTP, Class D

Specifications
- 100 ohms, certified to 100MHz, 24 AWG, and supports applications such as 155Mb/s ATM, 622Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit Ethernet) standard, using parallel transmission technology.
- Blue

Performances
- Complies with Category 5e ANSI/TIA/EIA-568B & ISO/IEC 11801 Standard
- Supports transmission of digital and analogue voice, data and video signal
- Supports Gigabit Ethernet (1000 Base-T)

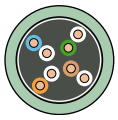
NEXT	Nominal	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

Use
- Cabling for Voice, data, images horizontal and vertical category 5 / Class D. High rates transmission: Gigabit Ethernet, 10/100base T.

Type	Diameter	Sheath	Lenght	Ref No.
4 pair cable	4.9 mm	CM	305	ACT4P5EUCM3RBBU
4 pair cable	4.9 mm	LSZH	305	ACT4P5EULS3RBBU

Copper LAN cables
Range

VDIC135118



CL-C Cat 5e F/UTP, Class D

Specifications

■ 100 Ohms, 155 MHz, AWG24, 4 pairs or 2x4 twisted pairs without screen. Compatible with PoE standards (Power over Ethernet), IEEE 802.3AF Power Over Ethernet: 15w/13w and PoEP (Power over Ethernet Plus), IEEE 802.3AT Power Over Ethernet Plus 30w/25w which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances

■ Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 standards

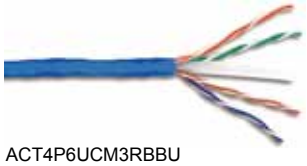
NEXT	Nominal	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

Use

■ Network cabling systems for category 5 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Diameter	Sheath	Cond/ Length	Ref. No
4 pair cable	6.5 mm	LSZH	305 m	VDIC135118
		PVC	305 m	VDIC135118P

Category 6



ACT4P6UCM3RBBU

CL-C Cat 6 U/UTP, Class E

Specifications

■ 100 ohms, 250 MHz, AWG23, 4 pairs without screen
■ 23AWG conductors
■ UL Listed CM Fire rated

Performances

■ Complies with Category 6 ANSI/TIA/EIA-568 & ISO/IEC 11801 Standard

NEXT	Nominal	Standard IEC
250 MHz	38.3 dB	> 39.3 dB

Use

■ Supports transmission of digital and analogue voice, data and video signal
■ Supports Gigabit Ethernet (1000 Base-T)

Type	Diameter	Sheath	Length	Ref. No
4 pair cable	6 mm	CM	305 m	ACT4P6UCM3RBBU
4 pair cable	6 mm	LSZH	305 m	ACT4P6ULS3RBWE

2D4P6T2PS3RBU

CL-MNC Cat 6 U/UTP F^2, Class E

Specifications

■ 100 ohms, 250 MHz, AWG23
■ F2 construction avoiding severe bending and stress of cabling
■ UL listed, CM fire rated with high density Polyethylene insulation,
■ Color: Blue
■ Description on page 47

Use

■ F^2 cable provide superior headroom for most robust network & applications e.g. Gigabit Ethernet, broadband video, 3D imaging and other multimedia applications
■ F^2 cable minimizes additional workload for cable installation, termination, and re-work
■ F^2 cable minimizes additional workload for cable installation, termination, and re-work

Type	Diameter	Sheath	Length	Ref. No
4 pair cable	6.5 mm	CM	305 m	2D4P6T2PS3RBU

Copper LAN cables
Range

CL-MNC Cat 6 U/FTP, Class E

VDIC616218

Specifications
- 100 ohms, 300 MHz, AWG23, 4 pairs or 2x4 pair with individual screens.
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2, EN50288-5-1 standards

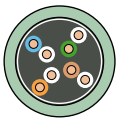
NEXT	Nominal	Standard IEC
300 MHz	44 dB	> 39.3 dB

Use
- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Diameter	Sheath	Length	Ref. No
4 pair cable	7.5 mm	LSZH	500 m	VDIC616218

CL-C Cat 6 SF/UTP, Class E

VDIC176218



Specifications
- 100 ohms, 250 MHz, AWG23, 4 pairs with overall screen and metallic braid
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and EN50288-5-1 standards

NEXT	Nominal	Standard IEC
250 MHz	39.3 dB	> 34.8 dB

Use
- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Diameter	Sheath	Lenght	Ref No.
4 pair cable	7.9 mm	LSZH	500 m	VDIC176218

Category 6_A

CL-C Cat 6_A U/UTP, Class EA

ACTTG4P6AUCM3RBU

- 100 ohms, 500 MHz, AWG23, 4 pairs (0.59 mm)
- Centre filler to maintain pair twisting and optimum NEXT and ELFEXT performance
- Newly design Jacket to optimize the ANEXT performance

Performances
- Complies with TIA/EIA-568-B.2-10 Category 6_A and ISO/IEC 11801Class Ea Standards

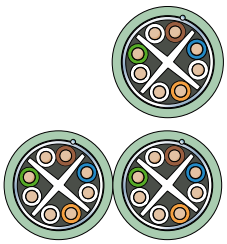
NEXT	Nominal	Standard IEC
500 MHz	33.8 dB	≥ 34.8 dB

Use
- Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications

Type	Diameter	Sheath	Lenght	Ref No.
4 pair cable	8.5 mm	CM	305 m	ACTTG4P6AUCM3RBU
4 pair cable	8.5 mm	LSZH	305 m	ACTTG4P6AULS3RWE

Copper LAN cables
Range

VDIC13X218



CL-C Cat 6_A F/UTP, Class EA

Specifications
- 100 ohms, 500 MHz, AWG23, 4 pairs or 2x4 pairs with overall screen.
- Cross filter to organize the pairs.
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-5-1 standards

NEXT	Nominal	Standard IEC
500 MHz	34.8 dB	> 34.8 dB

Use
- Network cabling systems for category 6_A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	59 kg/km	7.4 mm	LSZH	500 m	VDIC13X218
				1000 m	VDIC13X318
2x4 pair cable	121 kg/km	7.4x15.8 mm	LSZH	500 m	VDIC13X228

VDIC62X218

CL-MNC Cat 6_A U/FTP, Class EA

Specifications
- 100 ohms, 550 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen
- NVP = 80%
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

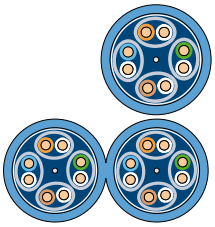
Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards

NEXT	Nominal	Standard IEC
550 MHz	67dB	> 34.8 dB

Use
- Network cabling systems for category 6_A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	57 kg/km	8.3 mm	LSZH	500 m	VDIC62X218

VDIC64X218



CL-MNC Cat 6_A F/FTP , Class EA

Specifications
- 100 ohms, 500 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and overall screen
- NVP = 80%
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards

NEXT	Nominal	Standard IEC
500 MHz	67dB	> 34.8 dB

Use
- Network cabling systems for category 6_A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	57 kg/km	8.3 mm	LSZH	500 m	VDIC64X218
				1000 m	VDIC64X318
2x4 pair cable	114 kg/km	7.9x16.8 mm	LSZH	500 m	VDIC64X228

Copper LAN cables
Range

CL-MX Category 6A Copper LAN cables

CL-MNC Cat 6A F/FTP

VDIC68X218F01

Specifications
- 100 ohms, 550 MHz, AWG23, 4 pairs and 2x4 pairs with patented single-foil metallic crossfiller design
- Superior EMC performances: Grade 1 Transfer Impedance
- Quick and simple twin removal actions for the sheath and the shield
- NVP = 82%
- Fire retardant properties for LSFRZH version according to IEC60332-3C, NFC32070 2.1, NFC32070 2.2
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Standards
- Compliant to EN50173-1, ISO/IEC11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-10-1 standards

NEXT	Nominal	Standard IEC
550 MHz	67 dB	> 34.8 dB

Use
- Network cabling systems for category 6A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	55 kg/km	7.8 mm	LSZH	500 m	VDIC68X318
4 pair cable	65 kg/km	8.2 mm	LSFRZH	500 m	VDIC68X218F01
Also available on dual 2 x 4 pairs on request					

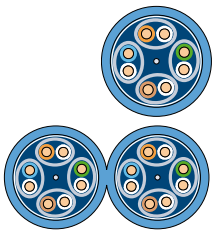
Category 7A Copper

CL-MNC Cat 7A F/FTP

VDIC648318

Specifications
- 100 ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and overall screen, PiMF construction
- NVP = 80%
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards



NEXT	Nominal	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use
- Network cabling systems for category 7A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

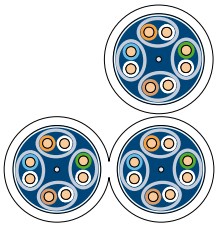
Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	57 kg/km	7.9 mm	LSZH	1000 m	VDIC648318
2x4 pair cable	106 kg/km	7.9x16.8 mm	LSZH	500 m	VDIC648228

CL-MNC Cat 7A S/FTP

VDIC658318F01

Specifications
- 100 ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and metallicbraid, PiMF construction.
- NVP = 80%
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W
- Fire retardant properties according to IEC60332-3C, NFC32070 2.1, NFC32070 2.2

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-10-1 standards



NEXT	Nominal	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use
- Network cabling systems for category 7A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	57 kg/km	7.9 mm	LSFRZH	1000 m	VDIC658318F01
2x4 pair cable	114 kg/km	7.9x16.8 mm	LSFRZH	500 m	VDIC658228F01

Actassi copper patch cords

Actassi copper patch cords ensure a reliable transmission in data networks. They are available in several lenghts, from Cat 5e to Cat 6_A performances, covering both shielded and unshielded needs.

All patch cords are compliant with ISO/IEC 11801 Ed2.2. They are all third party certified and also compliant to EN50173ed.3. , EIA/TIA 568 - C.2, IEC 61935-2. Actassi copper patchcords provide safe plug & play with a high quality thanks to the performances, the LSZH sheath also available and the warranties.

All patch cords are individually tested and packed.

Cat 6 and above have an option of couloured clips for easy identification.

Coloured clips for easy identification
Flexible plug-clip to secure a reliable connection. When you hear the CLICK, you know that everything is ok
Snag-free boot protects the plug-clip from breakage
Gold-plated contact pins for maximum performance
LSZH sheath also available. Material with low smoke emissions and non-toxic gases in case of fire

For availing international end to end system performance warranty, it is mandatory to use Schneider Electric Actassi patch cords.

Copper patch cords
Range

Patch cord U/UTP category 5e

Specifications
- 100 MHz, outer sheath LSZH.

Performances
- Fully compliant to AS/NZS 3080:2003 Class D and Category 5e Standards.
- Fully moulded boot and insert not only ensures pair integrity but also provides an enhanced strain relief, especially during installations or moves.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	ACTPC5EUBLS10GY
		2.0	ACTPC5EUBLS20GY
		3.0	ACTPC5EUBLS30GY
		5.0	ACTPC5EUBLS50GY

Specifications
- 100MHZ, outer sheath PVC.

Performances
- Fully compliant to AS/NZS 3080:2003 Class D and Category 5e Standards.
- Fully moulded boot and insert not only ensures pair integrity but also provides an enhanced strain relief, especially during installations or moves.

ACTPC5EUBCM10BU

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Blue	1.0	ACTPC5EUBCM10BU
		2.0	ACTPC5EUBCM20BU
		3.0	ACTPC5EUBCM30BU
		5.0	ACTPC5EUBCM50BU

Patch cord F/UTP category 5e

Specifications
- 155 MHz, outer sheath LSZH.
- Red and Green couloured clips are included by default. Other couloured clips available (References p. 57).

Performances
- Complaint with ISO/IEC 11801 Ed 2.2.
- Full latest standards Delta Certified: EN50173 ed.3, EIA/TIA - C.2, IEC 61935-2.

VDIP184546010

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	VDIP184546010
		2.0	VDIP184546020
		3.0	VDIP184546030
		5.0	VDIP184546050
		10.0	VDIP184546100

Patch cord U/UTP category 6

Specifications
- 300 MHz, outer sheath LSZH.

Performances
- Fully compliant to AS/NZS 3080:2003, ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-B Series Connecting Hardware Standards.
- Backward Compatible with Cat 5e products.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	ACTPC6UBLS10GY
		2.0	ACTPC6UBLS20G
		3.0	ACTPC6UBLS30GY
		5.0	ACTPC6UBLS50GY

Specifications
- 300MHZ, outer sheath PVC.

Performances
- Fully compliant to AS/NZS 3080:2003, ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-B Series Connecting Hardware Standards.
- Backward Compatible with Cat 5e products.

ACTPC6UBCM05BU

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Blue	0.5	ACTPC6UBCM05BU
		1.0	ACTPC6UBCM10BU
		2.0	ACTPC6UBCM20BU
		3.0	ACTPC6UBCM30BU
		5.0	ACTPC6UBCM50BU

Copper patch cords
Range

VDIP184646010

Patch cord F/UTP category 6

Specifications
- 250 MHz, outer sheath LSZH.
- Red and Green couloured clips are included by default. Other couloured clips available (References below).

Performances
- Complaint with ISO/IEC 11801 Ed 2.2.
- Full latest standards Delta Certified: EN50173 ed.3, EIA/TIA - C.2, IEC 61935-2.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	VDIP184646010
		2.0	VDIP184646020
		3.0	VDIP184646030
		5.0	VDIP184646050
		10.0	VDIP184646100

ACTPCC6UBCM1E10WE

Patch cord Secured U/UTP category 6 / F²

Specifications
- 300MHZ, outer sheath PVC.
- Set of coloured clips included.
- Key included.

Performances
- Fully compliant to TIA/EIA 568B2-1 Category 6 and ISO/IEC 11801 Class E Standards.
- F² construction cable provides better performance in RL and NEXT.
- UL Listed CM fire rated.
- Option of one to two end secure patch cord

Type	Colour of sheath	Length (m)	Ref. No
4 pair (1 end secure)	White	1.0	ACTPCC6UBCM1E10WE
		2.0	ACTPCC6UBCM1E20WE
		3.0	ACTPCC6UBCM1E30WE
		5.0	ACTPCC6UBCM1E50WE
4 pair (2 end secure)	White	1.0	ACTPCC6UBCM2E10WE
		2.0	ACTPCC6UBCM2E20WE
		3.0	ACTPCC6UBCM2E30WE
		5.0	ACTPCC6UBCM2E50WE

RJ6T2/10PL

Patch cord U/UTP category 6 / F²

Specifications
- 300MHZ, outer sheath PVC.

Performances
- Fully compliant to TIA/EIA 568B2-1 Category 6 and ISO/IEC 11801 Class E Standards.
- F² construction cable provides better performance in RL and NEXT.
- UL Listed CM fire rated.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	White	1.0	RJ6T2/10PL
		2.0	RJ6T2/20PL
		3.0	RJ6T2/30PL
		5.0	RJ6T2/50PL

VDIP185X46010

Patch cord S/FTP category 6_A

Specifications
- 550 MHz, outer sheath LSZH.
- Red and Green couloured clips are included by default. Other couloured clips available (References p. 50).

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	VDIP185X46010
		2.0	VDIP185X46020
		3.0	VDIP185X46030
		5.0	VDIP185X46050
		10.0	VDIP185X46100

VDIP1811 / VDIP1812

Coloured clips

Description	Packaging	Colour	Ref. No
Coloured clips	10	Blue	VDIP1811
Coloured clips	10	Yellow	VDIP1812

2 3 4 5 6
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24

Actassi Fibre solution

FL-C Fibre Optic Cables 64

FL-C Fibre Optic Patch cords 73

FL-C Fibre Optic Connectors and Toolkits 78

FL-C Fibre Optic Pigtails 79

19-C Fibre Optic Panels, Adapters and Accessories 80

Actassi fibre optic cables. Part of a total solution.

Actassi Fibre LAN cables are an important part of our total Network Connectivity solution that also includes panels, enclosures, connectors etc. All Network Connectivity products are specially designed to work perfectly together with complementary Schneider Electric products like trunking, poles, boxes and wiring devices in order to deliver true and seamless end-to-end connectivity.

The Fibre LAN offer covers needs for all kinds of LAN installations:
Campus (between buildings), Building backbones (between technical rooms) and Distribution (from technical rooms to workstations).

Actassi network connectivity

1. Enclosures
2. Panels for data, fibre optic and telecom
3. Fibre LAN backbone cables
4. Copper LAN and Fibre LAN distribution cables
5. Fibre LAN campus cables
6. Fibre data sockets in trunking
7. Fibre data sockets in posts
8. Fibre data sockets in floor boxes

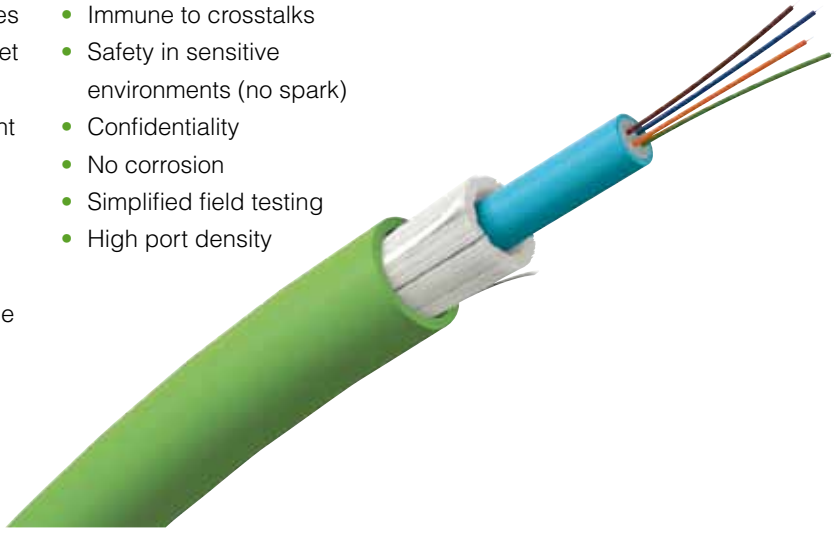
A complete product portfolio for LAN installations

The Fibre LAN range offers a complete product portfolio for LAN installations. Providing the best support for high-speed data networks the fibre LAN range complements our Copper LAN offer. Optic cables, patchcords, connectors, tools and accessories are part of the Fibre LAN offer.

The Actassi 19" fibre optic panel is one of the most installation and user-friendly panels on the market. Quick-fix, sliding function, integrated guiding panel, excellent protection and clear marking, coiling wheels and much more.

Fibre optic technology offers several advantages

- Very high data rates
- Flexible, reliable net works
- Very low & constant attenuation
- Long distances (up to 40 km)
- No EMC rules
- No grounding issue
- Immune to crosstalks
- Safety in sensitive environments (no spark)
- Confidentiality
- No corrosion
- Simplified field testing
- High port density



Fibre optic performances

Actassi Fibre LAN is a reliable and robust solution for high-speed data networks. The range includes both OM1, OM2 and OM3, but also OM4 and OS2 following the latest standards.

Fibre LAN performances in brief:

- Supports all kinds of network applications like 10 Gigabit/s Ethernet, Gigabit/s Ethernet, FastEthernet, Ethernet.
- Guarantees the compatibility with LAN active components.
- Compliant with international LAN optic transmission standards
- Available in multimode and single-mode, adapted to all LAN active equipments using LED, VCSEL and LASER technologies.

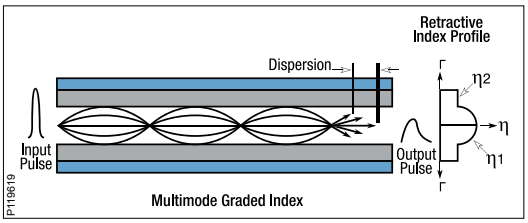
Two types of fibres: Multimode and Single-mode

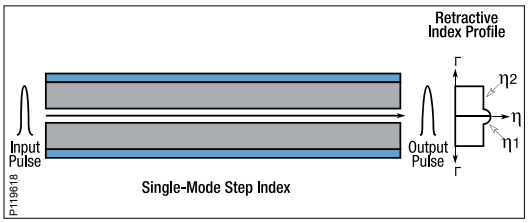
Multimode (OM1,OM2, OM3, OM4)

- 4 ranges of multimode optic fibres performances: OM1 62,5/125, OM2 50/125, OM3 50/125 and OM4 50/125. Meeting the markets needs up to 10 Gigabit/s.
- OM4 50/125 performance. Meeting the markets needs for speeds beyond 40 Gigabit/s and 100 Gigabit/s.
- High bandwidth. Optimized to increase the maximum optic link distance at both operating wavelengths (850nm and 1300nm).
- Low attenuation. Optimized to decrease the signal attenuation at both operating wavelengths (850nm and 1300nm).

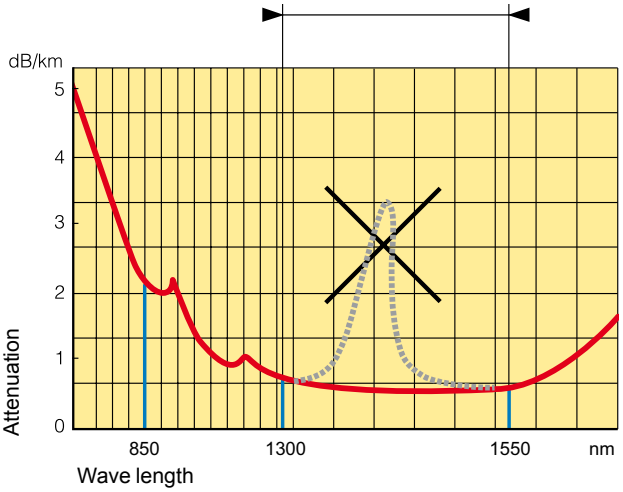
Single-mode (OS1/OS2)

- Single-mode optic fibres performances: OS1/OS2 9/125.Meeting the markets needs for all single-mode applications.
- Low Water Peak and PMD. Optimized to decrease the signal attenuation between 1260 to 1625nm allowing for multiplexing (modern optical transmission technologies like DWDM).

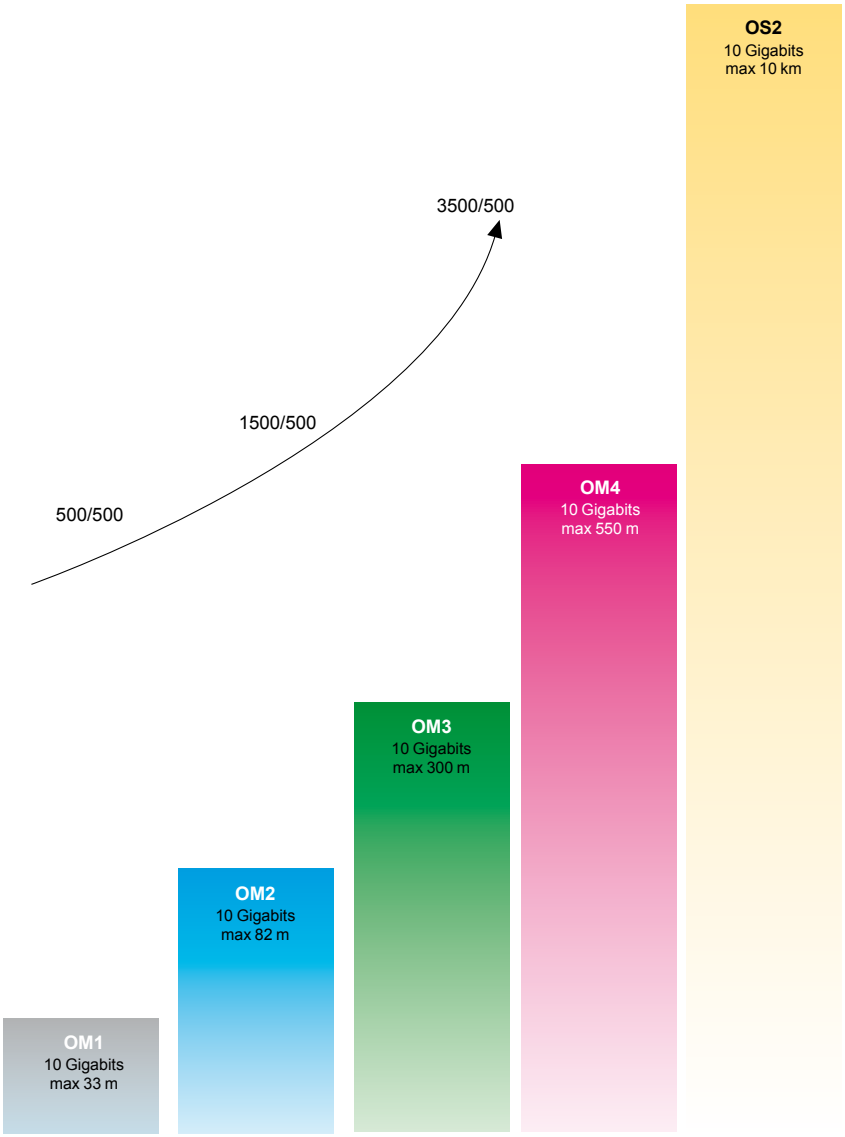




Full Spectrum Fibre



Supports all kinds of network applications



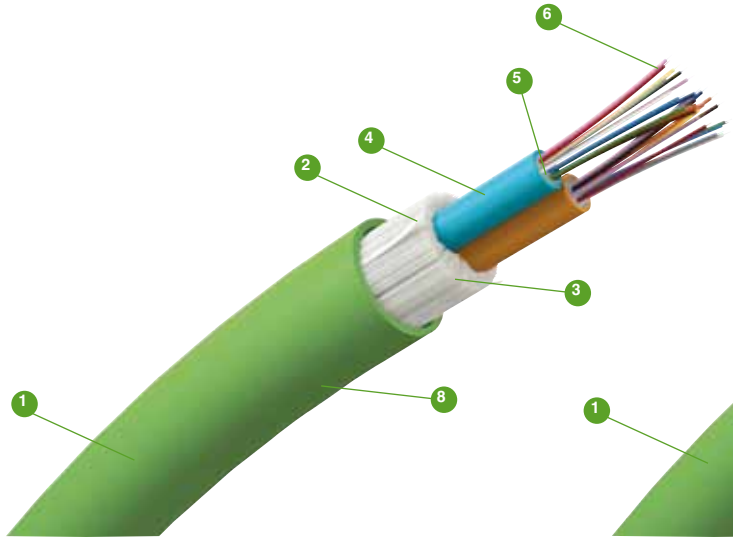
		Multimode fibre				Singlemode fibre
Applications	**Wavelength**	**OM1 62,5/125 µm**	**OM2 50/125 µm**	**OM3 50/125 µm**	**OM4 50/125 µm**	**OS2 9/125 µm**
Overfilled Bandwidth (MHz.km)	**OFL 850/1300 nm**	200/500	500/500	1500/500	3500/500	-
Fibre channel:						
4Gbit/s(FC4)	**VCSEL 850 nm**	-	-	-	400 m	10 km
8Gbit/s(FC8)	**VCSEL 850 nm**				200 m	10 km
100 Gbit/s 16Gbit/s (FC16)	**VCSEL 850 nm**	-	-	100 m**	130 m 150 m **	10 km
40 Gbit/s IEEE 802.3ba		-	-	100 m*	150 m*	10 km
10 Gbit/s (10GBASE-SR/SW)	**VCSEL 850 nm**	33 m	82 m	300 m	550 m	-
10 Gbit/s (10GBASE-LX4)	**LASER 1300 nm**		300 m	300 m	300 m	-
10 Gbit/s (10GBASE-LRM)	**LASER WDM 1300 nm**		220 m	220 m	220 m	-
10 Gbit/s (10GBASE-LR/LW)	**LASER 1310 nm**		-	-	-	10 km
10 Gbit/s (10GBASE-ER/EW)	**LASER 1550 nm**		-	-	-	40 km
1 Gbit/s (1000BASE-SX)	**VCSEL 850 nm**	275 m	550 m	1000 m	1100 m	-
1 Gbit/s (1000BASE-LX)	**LASER 1300/1310 nm**	550 m	550 m	550 m	600 m	5 km
100 Mbit/s (100BASE-SX)	**VCSEL 850 nm**	300 m	300 m	300 m	300 m	-
100 Mbit/s (100BASE-LX)	**LASER 1300/1310 nm**	2000 m	2000 m	2000 m	2000 m	>20 km

* Request a minimum of 8 fibres cores for 4x10 Gbit/s paralel optic
** Request a minimum of 20 fibres cores for 10x10 Gbit/s paralel optic

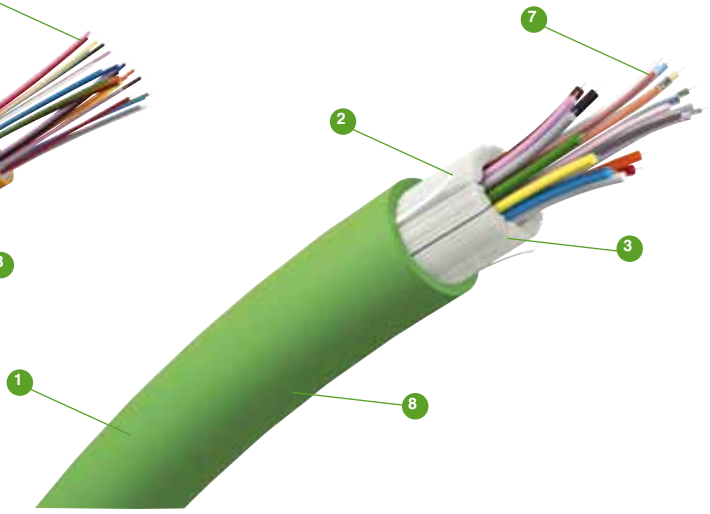
Actassi fibre optic cables

Actassi Fibre LAN range is adapted to the familiar ways of installing optic connectors and pigtails (SC, LC, ST). The range is available under 2 different structures: Tight buffered and Loose tube to be used for direct connector termination and for splicing respectively. Both structures are suitable for indoor and specific outdoor installations.

Loose tube



Tight buffered



1 Robust sheath

Tensile strength
Reinforces the tensile strength of the cable.

Robustness
High maximum pulling force and crush resistance of the cable during installation.

UV resistance
Resistance to UV degregation.

Colours
Distinct colours to identify strategic cables and prevent mistakenly cutting the cable.

2 Water swellable elements

Provide a protective barrier against longitudinally water ingression while guaranteeing cable perfomance.

3 100% glass yarns

Reinforcing the tensile strength of the cable. Acting as rodent retardant.

4 Innovative design

Innovative design of dual loose tube structure to help simplify the installation.

5 Gel

Provides a protective barrier against longitudinall water ingression while guaranteeing cable perfomance.

Coating

6 250 µm coating

7 900 µm coating

8 Compact for improved bending radius

The compact design of the cables gives several benefits:

- Reduced bending radii: 10 x diameter for Tight buffered and 60 mm for Loose tube cables
- Reduced diameter and increased installation space

Packaging

Packaging adapted to our customers requests (convenient small sized drums or cut to length).

Colour code

Fibre n°1 to n°12 according to the following colours.

1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

Fibre n°13 to n°24: idem + transparent

Environment-friendly

LSZH

LSZH (Low Smoke Zero Halogen) sheath according to test methods IEC 61034 (smoke density), IEC 60754-1 (gas toxicity), IEC 60754-2 (gas corrosiveness) for Tight buffered and Loose tube cables.

Flame retardant

Flame retardant (self extinguishing) according to IEC 60332-1 for Tight buffered and Loose tube cables.

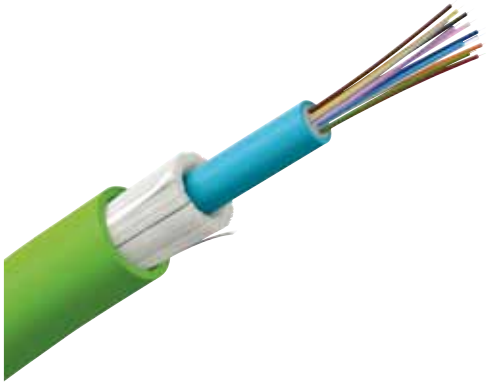
Fire retardant

Fire retardant (no fire propagation along the cable) according to IEC 60332-3C for Tight buffered cables.

RoHS and REACH

RoHS compliance according to UE directive.
REACH compliance.
PeP available for the range.

FL-C Fibre optic cables
Range Loose tube



FL-C Loose tube Fibre optic cables

Specifications

- Compact and universal cables suitable for indoor and specific outdoor installations:
  – Low Smoke Zero Halogen (LSZH) green coloured external sheath
  – UV resistant
  – dielectric
  – high tensile strength
  – rodent retardant
  – longitudinally watertight
- Maximum pulling force: 1500 Newton (1800 Newton for 24FO)
  – longitudinally watertight
- Rodent protection:
- Minimum bending radius: OD x 10 (ex: 62mm for 6,2mm OD)
- Ambiant air temperature (minimum & maximum)
  – for installation: -5° … +50°C
  – for operation: -20°… +70°
  – for storage: -40° … +70°
- Loose tube gel-filled cable construction with 250 µm coating available in unitube structure for 4, 6, 8 and 12 fibres and bitube structure for 24 fibres.
- Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NFC 32 070 2.1 (Category C2)

Performances

- OM2 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801:2011 Ed2.2 OM2.
- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801:2011 Ed2.2 OM3.
- OM4 50/125 compliant with IEC 60793-2-10 Type A1a.3, ISO/IEC 11801:2011 Ed2.2 OM4.
- OS1/OS2 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801:2011 Ed2.2 OS2.
- Cable mechanical characteristics tested according to IEC 60794-1

Use

- High data rate fibre optic backbones for building and campus
- Suitable for splicing termination: installation with pigtails by fusion or mechanical splices.

VDIC52204L

VDIC52206L

VDIC52212L

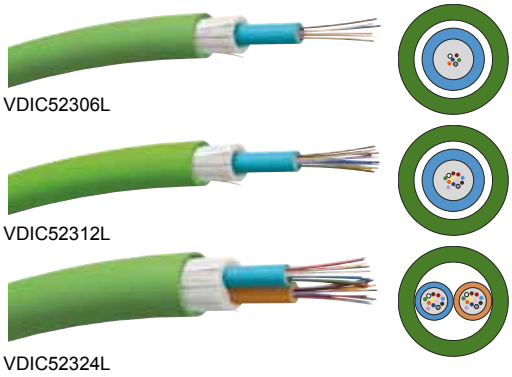
VDIC52224L

VDIC52224L

OM2 50/125 µm			
Type	**Length**	**Diameter**	**Ref. No**
Optic cable Indoor/outdoor OM2 50/125 µm multimode fibres, green overall jacket.			
4 fibres OM2 50/125, Loose tube, Up to 10Gbps ethernet supported	2100 m	6,2mm	VDIC52204L
6 fibres, OM2 50/125, Loose tube, Up to 10Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42206L VDIC52206L
8 fibres, OM2 50/125, Loose tube, Up to 10Gbps ethernet supported	2100 m	6,2mm	VDIC52208L
12 fibres, OM2 50/125, Loose tube, Up to 10Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42212L VDIC52212L
24 fibres, OM2 50/125, Loose tube, Up to 10Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42224L VDIC52224L

Note: OM1 62,5/125 fibre cable available on request for legacy installation, already using 0M1 fibre core. Support up to 1Gbps ethernet

FL-C Fibre optic cables
Range Loose tube

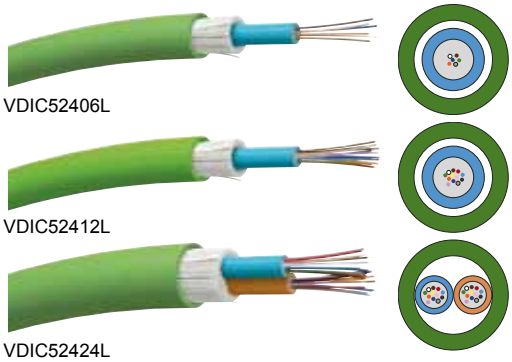

VDIC52306L

VDIC52312L

VDIC52324L

OM3 50/125 µm

Type	Length	Diameter	Ref. No
Optic cable Indoor/outdoor OM3 50/125 µm multimode fibres, green overall jacket.			
OM3 50/125, Loose tube, 6 fibres Up to 10Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42306L VDIC52306L
OM3 50/125, Loose tube, 12 fibres Up to 40Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42312L VDIC52312L
OM3 50/125, Loose tube, 24 fibres Up to 100Gbps ethernet supported	525 m 2100 m	7,2mm	VDIC42324L VDIC52324L

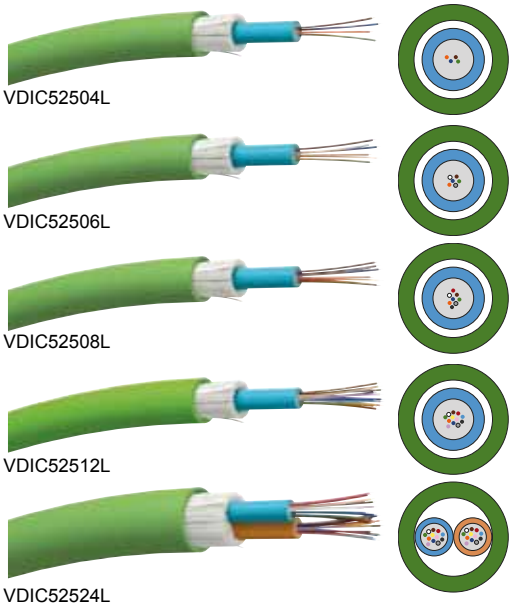

VDIC52406L

VDIC52412L

VDIC52424L

OM4 50/125 µm

Type	Length	Diameter	Ref. No
Optic cable indoor/outdoor, OM4 50/125 µm multimode fibres, green overall jacket.			
6 fibres, OM4 50/125, Loose tube, Up to 10Gbps ethernet supported	2100 m	6,2mm	VDIC52406L
12 fibres, OM4 50/125, Loose tube, Up to 40Gbps ethernet supported	2100 m	6,2mm	VDIC52412L
24 fibres, OM4 50/125, Loose tube, Up to 100Gbps ethernet supported	2100 m	7,2mm	VDIC52424L


VDIC52504L

VDIC52506L

VDIC52508L

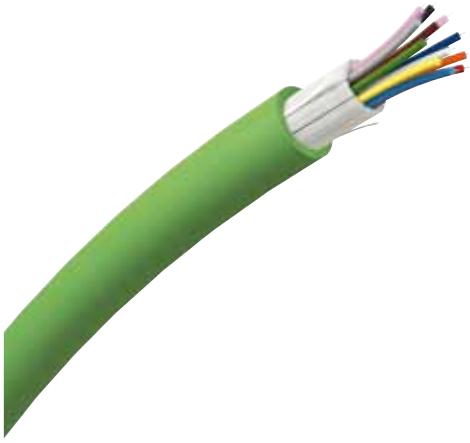
VDIC52512L

VDIC52524L

OS1/OS2 9/125 µm

Type	Length	Diameter	Ref. No
Optic cable indoor/outdoor, OS1/OS2 9/125 µm single-mode fibres, green overall jacket.			
4 fibres, OS1/OS2 9/125, Loose tube, Up to 100Gbps ethernet supported	2100 m	6,2mm	VDIC52504L
6 fibres, OS1/OS2 9/125, Loose tube, Up to 100Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42506L VDIC52506L
8 fibres, OS1/OS2 9/125, Loose tube, Up to 100Gbps ethernet supported	2100 m	6,2mm	VDIC52508L
12 fibres, OS1/0S2 9/125, Loose tube, Up to 100Gbps ethernet supported	525 m 2100 m	6,2mm	VDIC42512L VDIC52512L
24 fibres, OS1/0S2 9/125, Loose tube, Up to 100Gbps ethernet supported	525 m 2100 m	7,2mm	VDIC42524L VDIC52524L

FL-C Fibre optic cables
Range Tight buffered



FL-C Tight buffered Fibre optic cables

Specifications

- Compact and universal cables suitable for indoor and specific outdoor installations:
  - Low Smoke Zero Halogen (LSZH) green coloured external sheath
  - UV resistant
  - dielectric
  - high tensile strength
  - rodent retardant
  - longitudinally watertight
- Maximum pulling force: 1500 Newton (1800 Newton for 24FO)
- Rodent protection:
- Minimum bending radius: OD x 10 (ex: 51mm for 5,1mm OD)
- Ambiant air temperature (minimum & maximum):
  - for installation: -5° … +50°C
  - for operation: -20°… +70°
  - for storage: -40° … +70°
- Tight buffered gel-free cable construction with 900 µm coating.
- Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NFC 32 070 2.1 (Category C2). Fire retardant according to IEC 60 332-3 C, EN 50 266, NFC 32 070 2.2 (Category C1)

Performances

- OM2 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801:2011 Ed2.2 OM2.
- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801:2011 Ed2.2 OM3.
- OM4 50/125 compliant with IEC 60793-2-10 Type A1a.3, ISO/IEC 11801:2011 Ed2.2 OM4.
- OS1/OS2 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801:2011 Ed2.2 OS2.
- Cable mechanical characteristics tested according to IEC 60794-1

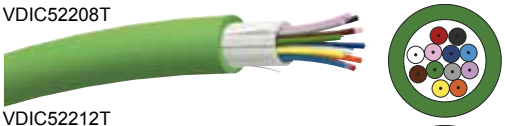
Use

- High data rate fibre optic backbones for building and campus
- Horizontal cable (FTTD Fibre to the desk) with the 2 fibres
- Suitable for direct termination: installation with connectors (prefibred, cold-cured and/or heat-cured types).

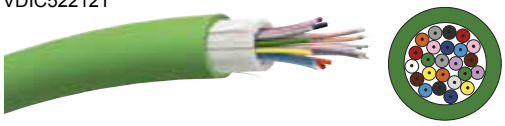
VDIC52204T

VDIC52206T

VDIC52208T



VDIC52212T



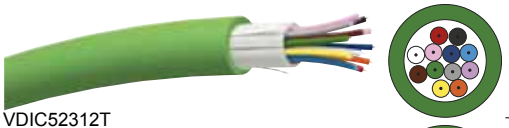
VDIC52224T

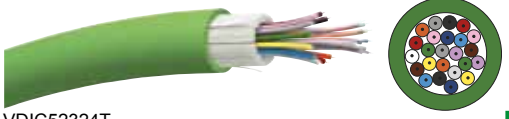
OM2 50/125 µm			
Type	**Length**	**Diameter**	**Ref. No**
Optic cable Indoor/outdoor OM2 50/125 µm multimode fibres, green overall jacket.			
4 fibres, OM2 50/125, Tight buffered, Up to 10Gbps ethernet supported	2100 m	4,6mm	VDIC52204T
6 fibres, OM2 50/125, Tight buffered, Up to 10Gbps ethernet supported	525 m 2100 m	5,1mm	VDIC42206T VDIC52206T
8 fibres, OM2 50/125, Tight buffered, Up to 10Gbps ethernet supported	2100 m	5,7mm	VDIC52208T
12 fibres, OM2 50/125, Tight buffered, Up to 10Gbps ethernet supported	525 m 2100 m	6,7mm	VDIC42212T VDIC52212T
24 fibres, OM2 50/125, Tight buffered, Up to 10Gbps ethernet supported	525 m 2100 m	8,8mm	VDIC42224T VDIC52224T

FL-C Fibre optic cables
Range Tight buffered

VDIC52302T

VDIC52306T

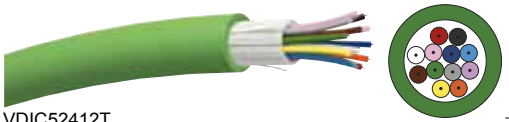

VDIC52312T


VDIC52324T

OM3 50/125 µm

Type	Length	Diameter	Ref. No
Optic cable Indoor/outdoor OM3 50/125 µm multimode fibres, green overall jacket.			
2 fibres, OM3 50/125, Tight buffered, Up to 10Gbps ethernet supported	525 m 2100 m	4,8mm	VDIC42302T VDIC52302T
6 fibres, OM3 50/125, Tight buffered, Up to 10Gbps ethernet supported	525 m 2100 m	5,1mm	VDIC42306T VDIC52306T
12 fibres, OM3 50/125, Tight buffered, Up to 40Gbps ethernet supported	525 m 2100 m	6,7mm	VDIC42312T VDIC52312T
24 fibres, OM3 50/125, Tight buffered, Up to 100Gbps ethernet supported	525 m 2100 m	8,8mm	VDIC42324T VDIC52324T

VDIC52406T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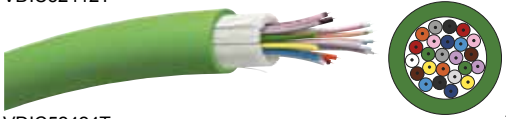
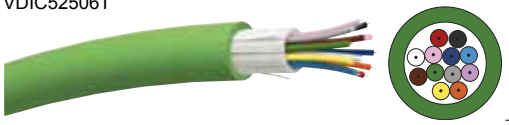
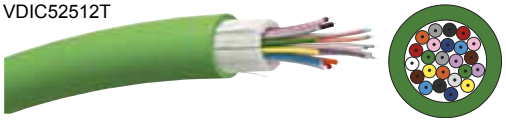

VDIC52424T

OM4 50/125 µm

Type	Length	Diameter	Ref. No
Optic cable indoor/outdoor, OM4 50/125 µm multimode fibres, green overall jacket.			
6 fibres, OM4 50/125, Tight buffered, Up to 10Gbps ethernet supported	2100 m	5,1mm	VDIC52406T
12 fibres, OM4 50/125, Tight buffered, Up to 40Gbps ethernet supported	2100 m	6,7mm	VDIC52412T
24 fibres, OM4 50/125, Tight buffered, Up to 100Gbps ethernet supported	2100 m	8,8mm	VDIC52424T

VDIC52506T


VDIC52512T


VDIC52524T

OS1/OS2 9/125 µm

Type	Length	Diameter	Ref. No
Optic cable indoor/outdoor, OS1/OS2 9/125 µm single-mode fibres, green overall jacket.			
6 fibres, OS1/OS2 9/125, Tight buffered, Up to 100Gbps ethernet supported on long distance	525 m 2100 m	5,1mm	VDIC42506T VDIC52506T
12 fibres, OS1/OS2 9/125, Tight buffered, Up to 100Gbps ethernet supported on long distance	525 m 2100 m	6,7mm	VDIC42512T VDIC52512T
24 fibres, OS1/OS2 9/125, Tight buffered, Up to 100Gbps ethernet supported on long distance	525 m 2100 m	8,8mm	VDIC42524T VDIC52524T

Fibre optic cables
Range Fibre to the home cable

FL-C Tight buffered Fibre optic cables

Specifications

- Compact and universal cable suitable for FTTH Indoor:
  – LSZH (Low smoke zero halogen)
  – 2 fibre of single mode optical fibre units (G652D or G657A) are positioned in the centre. Two parallel of fibre reinforced plastic (FRP) are placed on two sides

Performances

- Complies with Access Network, fibre to home IEC 60794, Sheath complies with IEC 60332-1

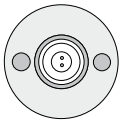
Use

- Fibre to the home (FTTH), fibre to the desk (FTTD), fibre to the telecom enclosure (FTTE), direct connection to IP CCTV over 100 metres

FTTH Cable

Type	Length	Ref. No
2 core G. 652D, FTTH Indoor Fibre Cable, FRP, LSZH	2000 m	ACTNDFH02SM92DFLS
2 core G. 657A, FTTH Indoor Fibre Cable, FRP, LSZH	2000 m	ACTNDFH02SM97AFLS
2 core G. 657B, FTTH Indoor Fibre Cable, FRP, LSZH	2000 m	ACTNDFH02SM97BFLS

Fibre Optic Cables
Range Unitube Light Armoured Cables
Direct, Buried Cables



Unitube Fibre Optic Cables

Specifications

- Compact Universal cables used for direct burial:
  – Accurate fibre excess length
  – Specially designed compact structure and PE sheath
  – Crush resistant and flexible
  – PSP enhances the cable's crush-resistance, impact-resistance and moisture-proofing
  – Two parallel steel wires ensure tensile strength
  – Small diameter, lightweight and hassle-free installation
  – Long delivery length

Performances

- OM2 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801:2002 Amd.2 OM2
- OS1 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801:2011 Ed2.2
- Cable mechanical characteristics tested according to IEC 60794-1

OM1 62.5/125

Optic Fibre Outdoor OM1 62.5/125 micro meter multimode fibre

Type	Length	Ref. No
4 fibre, OM1 62.5/125, Unitube Light Armoured	2000 m	ACTUDUTLA04MM6
6 fibre, OM1 62.5/125, Unitube Light Armoured	2000 m	ACTUDUTLA06MM6
8 fibre, OM1 62.5/125, Unitube Light Armoured	2000 m	ACTUDUTLA08MM6
12 fibre, OM1 62.5/125, Unitube Light Armoured	2000 m	ACTUDUTLA12MM6

OM2 50/125

Optic Fibre Outdoor OM2 50/125 micro meter multimode fibre

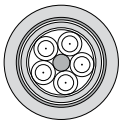
Type	Length	Ref. No
4 fibre, OM2 50/125, Unitube Light Armoured	2000 m	ACTUDUTLA04MM5
6 fibre, OM2 50/125, Unitube Light Armoured	2000 m	ACTUDUTLA06MM5
8 fibre, OM2 50/125, Unitube Light Armoured	2000 m	ACTUDUTLA08MM5
12 fibre, OM2 50/125, Unitube Light Armoured	2000 m	ACTUDUTLA12MM5

OS1 9/125

Type	Length	Ref. No
4 fibre, OS1 9/125, Unitube Light Armoured	2000 m	ACTUDUTLA04SM9
6 fibre, OS1 9/125, Unitube Light Armoured	2000 m	ACTUDUTLA06SM9
8 fibre, OS1 9/125, Unitube Light Armoured	2000 m	ACTUDUTLA08SM9
12 fibre, OS1 9/125, Unitube Light Armoured	2000 m	ACTUDUTLA12SM9

Fibre optic cables

Range Stranded Loose Tube Armoured Cables Direct, Buried Cables



Staranded Loose Tube Armoured Fibre Optic Cables

Specifications

- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure
- Crush resistant and flexible
- Tight water-resistant measures - steel wire used as central strength member, loose tube filling compound, 100% cable core filling, APL moisture barrier, PSP enhanced moisture-proofing and water-blocking material

OM1 62.5/125

Optic Fibre Outdoor OM1 62.5/125 micro meter multimode

Type	Length	Ref. No
4 fibre, OM1 62.5/125, Stranded Loose Tube Armoured	2000 m	ACTUDUTLA04MM6
6 fibre, OM1 62.5/125, Stranded Loose Tube Armoured	2000 m	ACTUDUTLA06MM6
12 fibre, OM1 62.5/125, Stranded Loose Tube Armoured	2000 m	ACTUDUTLA12MM6

OM2 50/125

Optic Fibre Outdoor OM2 50/125 micro meter multimode fibre

Type	Length	Ref. No
4 fibre, OM2 50/125, Stranded Loose Tube Armoured	2000 m	ACTUDUTLA04MM5
6 fibre, OM2 50/125, Stranded Loose Tube Armoured	2000 m	ACTUDUTLA06MM5
12 fibre, OM2 50/125, Stranded Loose Tube Armoured	2000 m	ACTUDUTLA12MM5

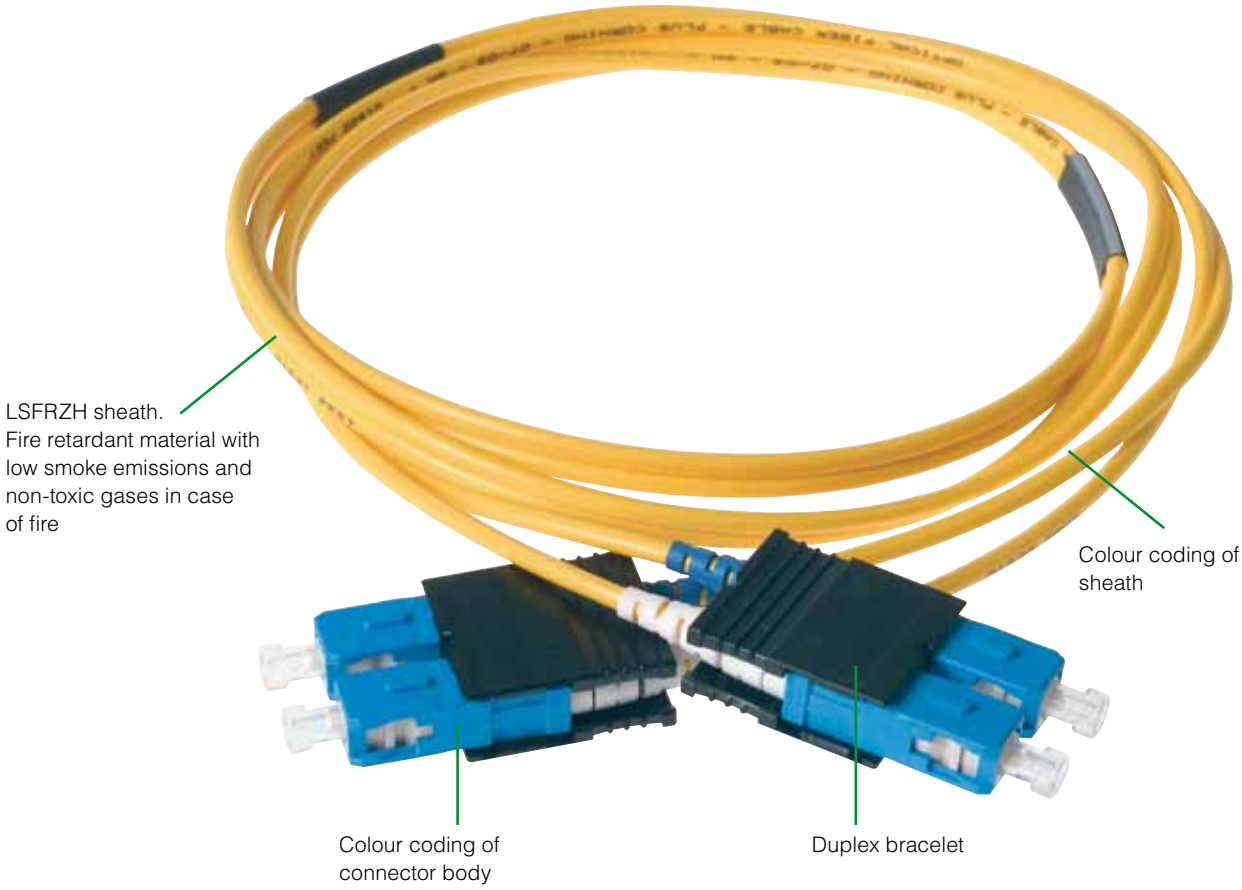
OS1 9/125

Type	Length	Ref. No
4 fibre, OS1 9/125, Stranded Loose Tube Armoured	2000 m	ACTUDSLAM04SM9
6 fibre, OS1 9/125, Stranded Loose Tube Armoured	2000 m	ACTUDSLAM06SM9
12 fibre, OS1 9/125, Stranded Loose Tube Armoured	2000 m	ACTUDSLAM12SM9

Actassi fibre optic patch cords

Actassi fibre optic patch cords ensure a reliable transmission in data networks. They are available with several types of connectors (SC, LC), from multimode (OM1, OM2, OM3, OM4) to single-mode (OS1) performances, in different lengths to cover all installation needs.

All fibre optic patch cords are compliant with ISO/IEC 11801:2011 Ed2.2 and provide safe plug & play with a high quality thanks to the performances, the LSFRZH sheath (LSZH with fire retardant properties) and the warranties.


LSFRZH sheath.
Fire retardant material with low smoke emissions and non-toxic gases in case of fire
Colour coding of sheath
Colour coding of connector body
Duplex bracelet

Individual test reports with insertion and return loss value for each patch cord supplied.

Fibre optic patch cords
Range

Specifications

■ Optic patchcords suitable for patching within technical rooms and at workstation between passive and active equipments:
- Factory terminated
- 100% optically tested
- Zirconia ceramic material ferrules
- Available in OM1, OM2, OM3, OM4 and OS1 performances
- Available with SC and LC types of connectors

Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2
- ST connectors compliant TIA/EIA 604-2 and IEC 61754-2
- OM2 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801:2002 Amd.2 OM2
- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801:2002 Amd.2 OM3
- OS1 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801:2002 Amd.2
- Cable mechanical characteristics tested according to IEC 60794-1

ACTFP2C3M16M10

ACTFP2L3M16M10

ACTFP2CL3M16M10

ACTFP2T3M16M10

ACTFP2TC3M16M10

Fibre Optic Patch cords OM1 62.5/125

Type	Length	Ref. No
Optic Patch cord SCd/SCd	1 m	ACTFP2C3M16M10
	2 m	ACTFP2C3M16M20
	3 m	ACTFP2C3M16M30
	5 m	ACTFP2C3M16M50
	10 m	ACTFP2C3M16M100
Optic Patch Cord SC/SC	1 m	ACTFP1C3M16M10
	2 m	ACTFP1C3M16M20
	3 m	ACTFP1C3M16M30
	5 m	ACTFP1C3M16M50
	10 m	ACTFP1C3M16M100
Optic Patch Cord LCd/LCd	1 m	ACTFP2L3M16M10
	2 m	ACTFP2L3M16M20
	3 m	ACTFP2L3M16M30
	5 m	ACTFP2L3M16M50
	10 m	ACTFP2L3M16M100
Optic Patch Cord LC/LC	1 m	ACTFP1L3M16M10
	2 m	ACTFP1L3M16M20
	3 m	ACTFP1L3M16M30
	5 m	ACTFP1L3M16M50
	10 m	ACTFP1L3M16M100
Optic Patch Cord LCd/SCd	1 m	ACTFP2CL3M16M10
	2 m	ACTFP2CL3M16M20
	3 m	ACTFP2CL3M16M30
	5 m	ACTFP2CL3M16M50
	10 m	ACTFP2CL3M16M100
Optic Patch Cord LC/SC	1 m	ACTFP1CL3M16M10
	2 m	ACTFP1CL3M16M20
	3 m	ACTFP1CL3M16M30
	5 m	ACTFP1CL3M16M50
	10 m	ACTFP1CL3M16M100
Optic Patch Cord ST/ST	1 m	ACTFP1T3M16M10
	2 m	ACTFP1T3M16M20
	3 m	ACTFP1T3M16M30
	5 m	ACTFP1T3M16M50
	10 m	ACTFP1T3M16M100
Optic Patch Cord STd/STd	1 m	ACTFP2T3M16M10
	2 m	ACTFP2T3M16M20
	3 m	ACTFP2T3M16M30
	5 m	ACTFP2T3M16M50
	10 m	ACTFP2T3M16M100
Optic Patch Cord ST/SC	1 m	ACTFP1TC3M16M10
	2 m	ACTFP1TC3M16M20
	3 m	ACTFP1TC3M16M30
	5 m	ACTFP1TC3M16M50
	10 m	ACTFP1TC3M16M100
Optic Patch Cord STd/SCd	1 m	ACTFP2TC3M16M10
	2 m	ACTFP2TC3M16M20
	3 m	ACTFP2TC3M16M30
	5 m	ACTFP2TC3M16M50
	10 m	ACTFP2TC3M16M100

FL-C Fibre optic patch cords
Range

ACTFP2C3M25M10

ACTFP2L3M25M10

ACTFP2CL3M25M10

ACTFP2T3M25M10

ACTFP2TC3M125M10

Fibre Optic Patch Cord OM2 50/125		
Type	**Length**	**Ref. No**
Optic Patch Cord SCd/SCd	1 m	ACTFP2C3M25M10
	2 m	ACTFP2C3M25M20
	3 m	ACTFP2C3M25M30
	5 m	ACTFP2C3M25M50
	10 m	ACTFP2C3M25M100
Optic Patch Cord SC/SC	1 m	ACTFP1C3M25M10
	2 m	ACTFP1C3M25M20
	3 m	ACTFP1C3M25M30
	5 m	ACTFP1C3M25M50
	10 m	ACTFP1C3M25M100
Optic Patch Cord LCd/LCd	1 m	ACTFP2L3M25M10
	2 m	ACTFP2L3M25M20
	3 m	ACTFP2L3M25M30
	5 m	ACTFP2L3M25M50
	10 m	ACTFP2L3M25M100
Optic Patch Cord LC/LC	1 m	ACTFP1L3M25M10
	2 m	ACTFP1L3M25M20
	3 m	ACTFP1L3M25M30
	5 m	ACTFP1L3M25M50
	10 m	ACTFP1L3M25M100
Optic Patch Cord LCd/SCd	1 m	ACTFP2CL3M25M10
	2 m	ACTFP2CL3M25M20
	3 m	ACTFP2CL3M25M30
	5 m	ACTFP2CL3M25M50
	10 m	ACTFP2CL3M25M100
Optic Patch Cord LC/SC	1 m	ACTFP1CL3M25M10
	2 m	ACTFP1CL3M25M20
	3 m	ACTFP1CL3M25M30
	5 m	ACTFP1CL3M25M50
	10 m	ACTFP1CL3M25M100
Optic Patch Cord ST/ST	1 m	ACTFP1T3M25M10
	2 m	ACTFP1T3M25M20
	3 m	ACTFP1T3M25M30
	5 m	ACTFP1T3M25M50
	10 m	ACTFP1T3M25M100
Optic Patch Cord STd/STd	1 m	ACTFP2T3M25M10
	2 m	ACTFP2T3M25M20
	3 m	ACTFP2T3M25M30
	5 m	ACTFP2T3M25M50
	10 m	ACTFP2T3M25M100
Optic Patch Cord ST/SC	1 m	ACTFP1TC3M25M10
	2 m	ACTFP1TC3M25M20
	3 m	ACTFP1TC3M25M30
	5 m	ACTFP1TC3M25M50
	10 m	ACTFP1TC3M25M100
Optic Patch Cord STd/SCd	1 m	ACTFP2TC3M25M10
	2 m	ACTFP2TC3M25M20
	3 m	ACTFP2TC3M25M30
	5 m	ACTFP2TC3M25M50
	10 m	ACTFP2TC3M25M100

FL-C Fibre optic patch cords
Range

ACTFP2C3M35M10

ACTFP2L3M35M10

ACTFP2CL3M35M10

ACTFP2T3M35M10

ACTFP2TC3M135M10

VDIP544551

Fibre Optic Patch Cord OM3 50/125

Type	Length	Ref. No
Optic Patch Cord SCd/SCd	1 m	ACTFP2C3M35M10
	2 m	ACTFP2C3M35M20
	3 m	ACTFP2C3M35M30
	5 m	ACTFP2C3M35M50
	10 m	ACTFP2C3M35M100
Optic Patch Cord LCd/LCd	1 m	ACTFP2L3M35M10
	2 m	ACTFP2L3M35M20
	3 m	ACTFP2L3M35M30
	5 m	ACTFP2L3M35M50
	10 m	ACTFP2L3M35M100
Optic Patch Cord LCd/SCd	1 m	ACTFP2CL3M35M10
	2 m	ACTFP2CL3M35M20
	3 m	ACTFP2CL3M35M30
	5 m	ACTFP2CL3M35M50
	10 m	ACTFP2CL3M35M100
Optic Patch Cord STd/STd	1 m	ACTFP2T3M35M10
	2 m	ACTFP2T3M35M20
	3 m	ACTFP2T3M35M30
	5 m	ACTFP2T3M35M50
	10 m	ACTFP2T3M35M100
Optic Patch Cord STd/SCd	1 m	ACTFP2TC3M35M10
	2 m	ACTFP2TC3M35M20
	3 m	ACTFP2TC3M35M30
	5 m	ACTFP2TC3M35M50
	10 m	ACTFP2TC3M35M100

Fibre Optic Patch Cord OM4 50/125

Type	Length	Ref. No
Optic Patch Cord LCd/LCd	1 m	VDIP544551
	2 m	VDIP544552
	3 m	VDIP544553
	5 m	VDIP544555

FL-C Fibre optic patch cords
Range

ACTFP2C3S19S10

ACTFP2L3S19S10

ACTFP2CL3S19S10

ACTFP1T3S19S10

ACTFP2TC3S19S10

Fibre Optic Patch Cord OS1 9/125		
Type	**Length**	**Ref. No**
Optic Patch Cord SCd/SCd	1 m	ACTFP2C3S19S10
	2 m	ACTFP2C3S19S20
	3 m	ACTFP2C3S19S30
	5 m	ACTFP2C3S19S50
	10 m	ACTFP2C3S19S100
Optic Patch Cord SC/SC	1 m	ACTFP1C3S19S10
	2 m	ACTFP1C3S19S20
	3 m	ACTFP1C3S19S30
	5 m	ACTFP1C3S19S50
	10 m	ACTFP1C3S19S100
Optic Patch Cord LCd/LCd	1 m	ACTFP2L3S19S10
	2 m	ACTFP2L3S19S20
	3 m	ACTFP2L3S19S30
	5 m	ACTFP2L3S19S50
	10 m	ACTFP2L3S19S100
Optic Patch Cord LC/LC	1 m	ACTFP1L3S19S10
	2 m	ACTFP1L3S19S20
	3 m	ACTFP1L3S19S30
	5 m	ACTFP1L3S19S50
	10 m	ACTFP1L3S19S100
Optic Patch Cord LCd/SCd	1 m	ACTFP2CL3S19S10
	2 m	ACTFP2CL3S19S20
	3 m	ACTFP2CL3S19S30
	5 m	ACTFP2CL3S19S50
	10 m	ACTFP2CL3S19S100
Optic Patch Cord LC/SC	1 m	ACTFP1CL3S19S10
	2 m	ACTFP1CL3S19S20
	3 m	ACTFP1CL3S19S30
	5 m	ACTFP1CL3S19S50
	10 m	ACTFP1CL3S19S100
Optic Patch Cord SC/APC	1 m	ACTFP1ACA3S19S10
	2 m	ACTFP1ACA3S19S20
	3 m	ACTFP1ACA3S19S30
	5 m	ACTFP1ACA3S19S50
	10 m	ACTFP1ACA3S19S100
Optic Patch Cord ST/ST	1 m	ACTFP1T3S19S10
	2 m	ACTFP1T3S19S20
	3 m	ACTFP1T3S19S30
	5 m	ACTFP1T3S19S50
	10 m	ACTFP1T3S19S100
Optic Patch Cord STd/STd	1 m	ACTFP12T3S19S10
	2 m	ACTFP12T3S19S20
	3 m	ACTFP12T3S19S30
	5 m	ACTFP12T3S19S50
	10 m	ACTFP12T3S19S100
Optic Patch Cord ST/SC	1 m	ACTFP1TC3S19S10
	2 m	ACTFP1TC3S19S20
	3 m	ACTFP1TC3S19S30
	5 m	ACTFP1TC3S19S50
	10 m	ACTFP1TC3S19S100
Optic Patch Cord STd/SC	1 m	ACTFP2TC3S19S10
	2 m	ACTFP2TC3S19S20
	3 m	ACTFP2TC3S19S30
	5 m	ACTFP2TC3S19S50
	10 m	ACTFP2TC3S19S100

Fibre optic connectors
Range

Fibre Optic connectors

Specifications

■ Optic pigtails suitable for splices termination with fibre optic cables inside optic patchpanels and/or at workstation:
- -Zirconia ceramic material ferrules
- -Colored housing to identify quickly performances of the connectors

Performances

■ SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2
■ LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2
■ ST connectors

ACTFCSCMM3

ACTFCLCMM3

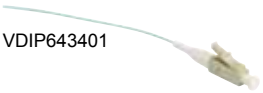
ACTFCSTMM3

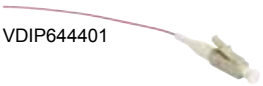
Multimode Connectors	
Type	**Ref. No**
Connector SC, 3.0 mm	ACTFCSCMM3
Connector SC, 0.9 mm	ACTFCSCMM9
Connector LC, 3.0 mm	ACTFCLCMM3
Connector LC, 1.8 mm	ACTFCLCMM1
Connector ST, 3.0 mm	ACTFCSTMM3
Connector ST, 0.9 mm	ACTFCSTMM9

Singlemode Connectors	
Type	**Ref. No**
Connector SC, 3.0 mm	ACTFCSCSM3
Connector SC, 0.9 mm	ACTFCSCSM9
Connector LC, 3.0 mm	ACTFCLCSM3
Connector LC, 1.8 mm	ACTFCLCSM1
Connector SC/APC, 3.0 mm	ACTFCSCASM3
Connector ST, 3.0 mm	ACTFCSTSM3
Connector ST, 0.9 mm	ACTFCSTSM9

Fibre optic pigtails
Range

ACTFT1C3M25M10


VDIP643401


VDIP644401

ACTFT1C3M25M10

ACTFT1T3M25M10

FL-C Fibre optic pigtails

Specifications

■ Optic pigtails suitable for splices termination with fibre optic cables inside optic patchpanels and/or at workstation:
- -Factory terminated
- -Zirconia ceramic material ferrules
- -Different lengths available

Performances

■ SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2
■ LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2
■ ST connectors

Pigtail multimode

Type	Length (m)	Ref. No
Pigtail OM2 50/125 LC	1.0	ACTFT1L3M25M10
Pigtail OM2 50/125 LC	2.0	ACTFT1L3M25M20
Pigtail OM3 50/125 LC	0.7	VDIP643401
Pigtail OM4 50/125 LC	0.7	VDIP644401
Pigtail OM2 50/125 SC	1.0	ACTFT1C3M25M10
Pigtail OM2 50/125 SC	2.0	ACTFT1C3M25M20
Pigtail OM3 50/125 SC	0.7	VDIP643201
Pigtail OM1 62.5/125 ST	1.0	ACTFT1T3M25M10
Pigtail OM1 62.5/125 ST	2.0	ACTFT1T3M25M20
Pigtail OM2 50/125 ST	0.7	VDIP642101

Pigtail singlemode

Type		Ref. No
Pigtail OS1 9/125 LC	1.0	ACTFT1L3S19S10
Pigtail OS1 9/125 LC	2.0	ACTFT1L3S19S20
Pigtail OS1 9/125 SC	1.0	ACTFT1C3S19S10
Pigtail OS1 9/125 SC	2.0	ACTFT1C3S19S20
Pigtail OS1 9/125 SC/APC	1.0	ACTFT1CA3S19S10
Pigtail OS1 9/125 SC/APC	2.0	ACTFT1CA3S19S20
Pigtail OS1 9/125 ST	1.0	ACTFTIT3519510
Pigtail OS1 9/125 ST	2.0	ACTFTIT3519520

Actassi fibre optic panels

A simple all-in-one concept, pre-equipped with for example Quick Fix function, coiling wheels and cable glands. It has a capacity of 24 fibres and has transparent lids for protection and a clear visibility of the inside. Can hold up to 4 cover plates, and since it is delivered with 3 blank plates, the choice is open for the fourth to be used according to your needs. The cover plates are available in empty and pre-equipped versions with adapters.

To match your fibre optic panel we have developed a range of pre-equipped coverplates. It's a time-saving, safer and smarter way to work with your installations.

Coiling wheels
The panel contains wheels to keep the fibres in place and to avoid tension on the connectors. This will also give a correct bending radius and more space for excess lengths of the fibres.

Excellent protection
The transparent covers give both protection and overview. The front covers can be opened for quick access and the top cover is easily removed.

Clear marking
Since the marking is very clear, identifying the cable you are looking for will never be a problem.

Integrated guiding panel
A patchcord guiding panel, with smoothly shaped edges to protect the cords, is integrated in the panel. So there is no need to add a separate guiding panel that would take another 1U space.

Rear quick fixation
A quick-fixation system is provided for the cables at the rear. Use the provided 16 mm glands for cables. If a 21mm gland (not provided) is needed, just remove the rear plastic support and fix the gland directly in the cable entry. Quick and easy!

Sliding function
The panel can be slided or completely removed for a more convenient working position.

19-C Fibre optic panels
Range

Evolution universal sliding fibre optic panel 1U

- Universal sliding 19" fibre optic panel with 4 positions, equipped with 3 blank plates. The 1st position is empty and is to be fitted with suitable coverplate.
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature.
- Removable transparent cover mounted.
- Fibre patchcord guiding structure at the front, protected by cover equipped with label holders.

Evolution panel for direct terminations

- Equipped with 2 coiling wheels and 2 PG9 (Ø 7 mm max.) cable glands.

Description	Reference
Evolution Fibre optic panel 1U with 3 blank plates for direct terminations	VDIG150991

VDIG150991

Evolution panel for splices

- Equipped with one coiling wheel, 2 PG9 (Ø 7 mm max.) cable glands and one splicing cassette (without splice holder).

Description	Reference
Evolution Fibre optic panel 1U with 3 blank plates, for splices	VDIG150991001

VDIG150991001

Splicing optic cassette

- Delivered with a cover.
- Capacity up to 24 fibres. Recommended for 12 fibres.
- 2 cassettes can be stacked inside the 1U fibre optic panel.

Description	Reference
Fibre optic splicing cassette with cover	VDIM15C112

VDIM15C112

19-C Fibre optic panels
Range

Plates

- Blank plates and coverplates to be fixed on fibre optic Quick Fix panel ref VDIG150991,VDIG150991001 and VDIG050991.
- Quick fixation by push-pull rivets.

VDIM1530311

VDIM1510611

VDIM1550311

Coverplates with adapters

Description	Reference
Coverplate provided with 3 SC duplex multimode adapters	VDIM1530311
Coverplate provided with 6 ST multimode adapters	VDIM1510611
Coverplate provided with 3 LC duplex multimode adapters	VDIM1550311

VDIM153031

VDIM151061

VDIM155031

VDIM155061

Coverplates without adapters

Description	Reference
Coverplate for 3 SC duplex adapters	VDIM153031
Coverplate for 6 ST adapters	VDIM151061
Coverplate for 3 LC duplex adapters (compatible with LC duplex Adapters / square VDIB6051001 and VDIB6052003).	VDIM155031
Coverplate for 6 LC duplex adapters (compatible with LC duplex Adapters / rectangular VDIB60510011 and VDIB6052003).	VDIM155061

VDIM150061

Blank plate

Description	Reference
Blank plate for fibre optic panel	VDIM150061

Fibre LAN Cables
Range

Adapters

- Fibre optic adapters suitable to connect and align optic connectors (for both applications: optic patchpanels in technical rooms and faceplates at workstation).
  - Both multimode and singlemode versions
  - Identification of multimode adapters with beige color
  - Identification of singlemode adapters with blue color
  - Available in SC, SC APC, ST, LC and MPO formats
  - Zirconia ceramic material ferrules
  - Snap-in latch

VDIB6031001

VDIB6031001

VDIB6051001

VDIB6051003

VDIB6032001

VDIB6072001

VDIB6082001

VDIB6052001

VDIB6052003

Multimode adapters

Type	Ref. No
SC Duplex Adapter MM	VDIB6031001
SC Simplex Adapter MM	VDIB6021001
ST Simplex Adapter MM	VDIB6011001
LC Duplex Adapter sq MM	VDIB6051001
LC Duplex Adapter rect MM	VDIB6051003
SC-ST Duplex Adapter MM	ACTFA2CTMMZP

Singlemode adapters

Type	Ref. No
SC Duplex Adapter SM	VDIB6032001
SC APC Simplex Adapter SM	VDIB6072001
SC APC Duplex Adapter SM	VDIB6082001
LC Duplex Adapter sq SM	VDIB6052001
LC Duplex Adapter rect SM	VDIB6052003
ST Simplex Adapter SM	ACTFA1TSMZM
SC-ST Duplex Adapter SM	ACTFA2CTSMZP

Enclosures for Indoor needs

Wall-mounted

Floor-standing

Actassi Enclosures

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Actassi Enclosures

With the Actassi system you can create a seamless end-to-end network connectivity solution for all needs. There are different conditions and demands on the installations in buildings, data centres and small offices. That is why Actassi includes all possible sizes of wall-mounted and floor-standing enclosures, from 6 to 47 units in different widths, depths, colours and compositions. You can always find an Actassi enclosure that gives a perfect result.

Do you want to have other enclosures than standard? No problem. With Actassi enclosures it's possible to customize colour, accessories, specific lining etc according to your personal needs.

The Digital Rule helps you select products

Hard to select the Actassi enclosures, RJ45 connectors, patch panels and cables? Visit schneider-electric.com and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.

Actassi wall-mounted enclosures

The Actassi wall-mounted OPB OpenBox enclosures allow you to easily integrate patch panels, cables, switches and digital recorders. All the lining can be removed without tools, and with the swing-rack version of OPB, with a quick-locking system, you'll get access to the connections from the back to handle the maintenance in a convenient way. Too hot in the enclosure? No problem, it's easy to integrate a blanking plate with two fans.

Actassi wall-mounted enclosures – adding value while saving space

New, space-saving knock-down boxes. Easy to stock, carry and assemble .

Streamline cost, size and capacity

Sometimes things are not what they seem. Can a small, easily manageable box really provide sufficient capacity? Yes – Actassi wall-mounted enclosures can support connectivity for up to 144 workplaces. The enclosures are also suitable for distributed solutions in larger applications, such as office buildings and hospitals.

Actassi wall-mounted enclosures are ideal for network, telephone, security and audio/video applications.

Regardless the line of business, it lies in every owner's interest to optimise the work conditions – without spending a mere fortune on unused capacity. When it comes to supplying the work area with safe and reliable access to network and data, wall-mounted enclosures offer great, space-saving opportunities that can make a significant difference for the operative everyday work.

Capacity and versatility, straight from the wall

A well thought-out infrastructure is the best way to provide for a problem-free, reliable usage. Take a look at the pictures to the left. Both illustrate realistic, adequate examples of how to make best use of a wall-mounted enclosure, used as a single unit or a distributed solution.

All Actassi wall-mounted enclosures are certified in compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310-E.

Rather than investing in hefty, oversized enclosures, you can benefit from flexible wall-mounted enclosures and get true convenience in terms of small size and impressive capacity. Not to mention the advantages in store for the installer, whether the enclosure is to be used as a single unit or as a distributed solution. Mounting and installing, as well as maintaining and extending over time – with thorough planning, everything is carried out with minimum effort.

19" standard for 6-21U heights

Actassi wall-mounted enclosures are available in two versions – KDB and OPB. Both are made to match the full Actassi range of 19" panels and accessories. This ensures an effective high-density solution, always with the adequate height.

Actassi KDB, height 15U

Actassi KDB with fans and brush gasket, 9U

Actassi OPB with plain sheet steel door, 9U

Actassi OPB with Securit® glass door, 9U

Thumbs up for knock-down boxes – ideal for smaller businesses

Imagine providing excellent equipment for network, telephone, security and audio video while saving up to 60% on stock space. Add smart benefits like the flat package and the exceptional mounting time of 5 minutes, and you have the major advantages of the KDB enclosure in a little box.

The Actassi KDB boxes are available at your wholesaler. Always quick and easy to find an enclosure for your needs.

Actassi KDB knock-down box

A sturdy, robust enclosure made of welded sheet steel, with great opportunities for several kinds of installations, would probably lead to quite time- and space-consuming mounting and installation. Not the Actassi KDB knock-down boxes The keyword is “easy”.

Easy to stock, assemble and manage

Let’s start with the package. The clever flat pack will help save up to 60% on storage space. It’s easy to stock – just grab a couple of packages from the shelf, load them into the your car and you are ready to go.

On site, the enclosure can be put up, wall-mounted and prepared for the components in just a few minutes. In addition, there are a number of handy features that provide equal easiness: the tool-less door with spring hinges for optimised access to the patch panels, the brush panel for swift cable management and the fan plates for smart ventilation.

Save 60% on stock space
The KDB enclosure is easy to stock and load. The flat pack allows you to save up to 60% on space, which means you can make more installations in less time.

5 minutes
1 person
1 tool

Actassi KDB enclosure offers exceptional simplicity in terms of mounting and installation. One person can have the KDB set up in less than 5 minutes. And the only tool needed is a regular screwdriver.

Schneider
Electric

Secure maximised capacity and swift maintenance for vital needs

Time for adjustments? Just open the sides and fold out the swing rack. Replace and add whatever parts you need, no tools are necessary. Fold back the rack, close the sides and you are done. To increase the flexibility of the entire installation, use the Actassi OPB as a distributed solution.

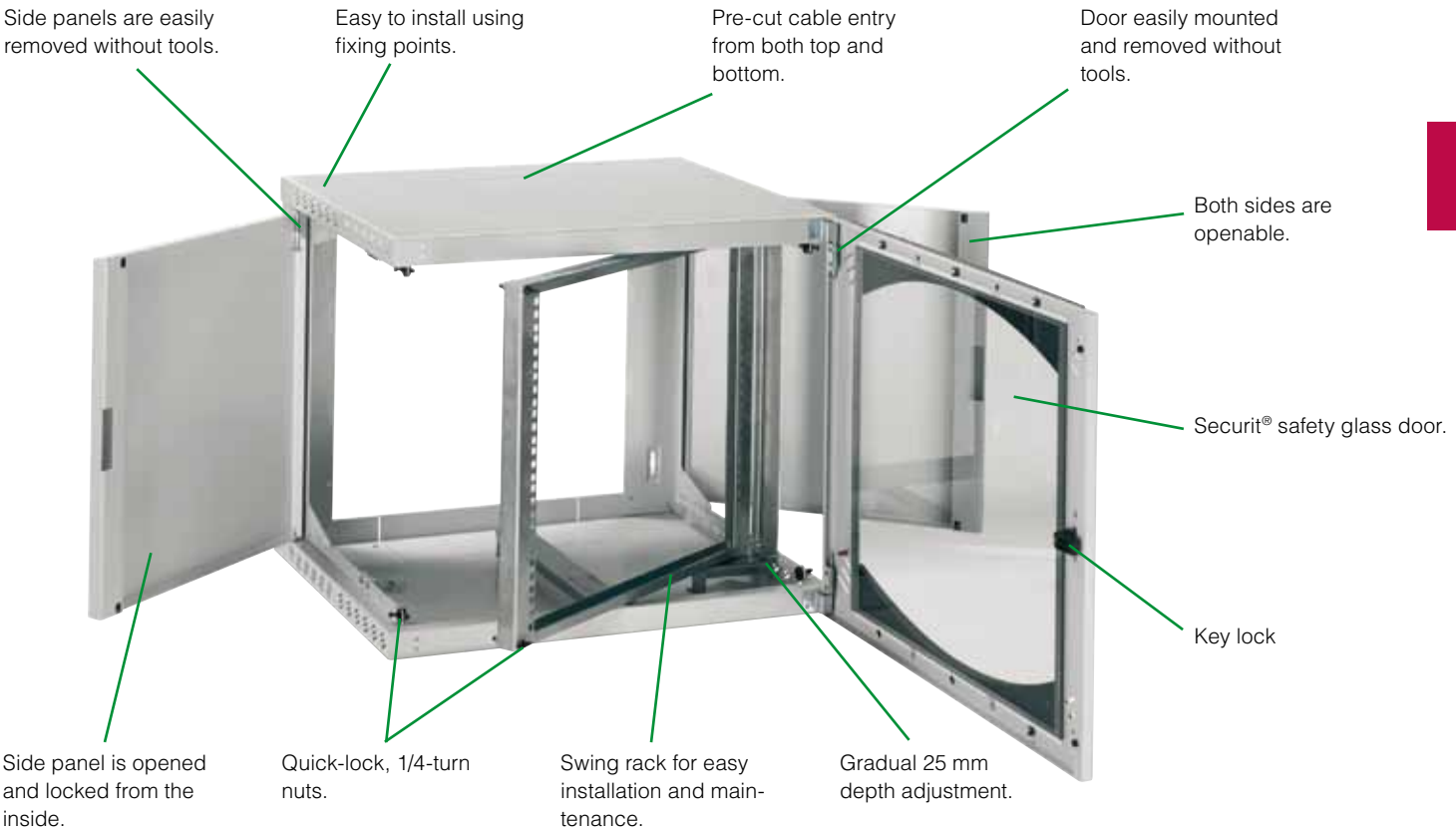
The Actassi OPB serves perfectly as a distributed solution. In a hospital for instance, the need for quick, reliable and easily expandable network connectivity can be crucial.

Actassi OPB – open for installation

The Actassi OPB is wide open for a swift and struggle-free installation. Steady as a rock, even with the side panels and the door dismounted.

The swing rack makes all the difference

When making the first installation, as well as continuous upgrades, you will find that the swing rack makes all the difference for you as an installer. Access from all sides, pre-cut cable entries and minimum usage of tools are some of the other features that make the OPB truly open for installation and maintenance.


Side panels are easily removed without tools.
Easy to install using fixing points.
Pre-cut cable entry from both top and bottom.
Door easily mounted and removed without tools.
Both sides are openable.
Securit® safety glass door.
Key lock
Side panel is opened and locked from the inside.
Quick-lock, 1/4-turn nuts.
Swing rack for easy installation and maintenance.
Gradual 25 mm depth adjustment.

KDB
19" Wall Knock-Down Box
Simple and space-saving

5 minutes

You need only five minutes to mount the Actassi KDB enclosure.

Easy to assemble. You only need one single tool. A drilling template facilitates the fixation on the wall.

40 kg

The body allows mounting of components up to 40 kg.

Easy to stock and ship
The flat-pack architecture of KDB saves 60% of space in the stock. It is also very easy to ship and carry.

Easy to assemble
The symmetric construction of the top, bottom and side panels gives easy and safe assembling.

Easy to use
Tool-less door with spring hinges facilitates the access to the patch panels.

Easy to manage the cables (option)
Use the 19" brush panel to manage the entry of cables in a safe way in the top and bottom.

Smart ventilation (option)
Secure the installed components like switches and PABX. Use the 19" smart fan plates equipped with a thermostat adjustable from 0° to 55°c

Easy to adapt
If you need more space at the front of the enclosure, you can easily move the 19" uprights each 25 mm.

KDB
19" Wall Knock-Down Box
Simple and space-saving

Introduction and selection guides

- Flat-pack wall-mounted enclosure dismounted in 1 package
- Symmetric enclosure made from welded sheet steel, powder-painted, leather-grain finish, RAL 7035 light grey epoxy-polyester.
- Enclosure made up of a body, one pair of 19" fixed uprights and a Securit® glass transparent door with key nº 333.
- Top and bottom 19" Knock-down plates for entry cables and fans – 0U
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Protection : IK08
  – Impact energy = 5 joules
- Acceptable load: 3 kg/U; max. 40 kg per enclosure.
  (Include 25% of margin load rating according to the IEC 62208)
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310-E
- Brush entry cables NSYCRTM1U1PS (in option)
- Smart fan NSY1FAN230T to manage the temperature from 0° to 55°c (in option)

60%

The flat-pack saves 60% of space in the stock

Number of U	Height	Width	Depth	Enclosure	Brush entry cables	Smart fan
6U	352	600	400	**NSYKDB6U4F**	**NSYCRTM1U1PS**	**NSY1FAN230T**
9U	485	600	400	**NSYKDB9U4F**		
12U	618	600	600	**NSYKDB12U6F**		
15U	752	600	600	**NSYKDB15U6F**		

KDB
Thermal management

Smart and Basic fans

- 19” fan plate
  – 0U on top and bottom of the box
  – 3U fixed on the 19” uprights
- Equipped with 1 or 2 fans
  – 90 CFM for each one (155m³/h)
  – 230V – AC
  – Plugs IEC14 to power
  – In: Socket IEC C14 - To be powered with IEC C13 plug power cable
- Delivered without cable

Smart fans

- Equipped with 1 adjustable thermostat 0° to 55°C
- Equipped with 1 led switch On/Off

Basic fans

- WITHOUT thermostat and switch

Smart fans	Type	Reference
	1 Fan	NSY1FAN230T
	2 Fans	NSY2FAN230T

Basic fans	Type	Reference
	1 Fan	NSY1FAN230
	2 Fans	NSY2FAN230

Cables for smart & basic fan plates

- Black power cables of 3m to power the fan plates

	Plug Out	Plug In	Reference
	IEC C13	Schuko/FR	NSYIEC13SCH
	IEC C13	UK	NSYIEC13UK

	Plug Out	Plug In	Reference
	IEC C13	IEC C14	NSYIEC13IEC14

OPB
19" Wall Open Box
Ergonomic and adaptable

Actassi OPB is assembled at delivery, ready to use

Side panels , swing rack and door can be opened and removed without tools. Quick and easy.

50 kg

The body allows mounting of components up to 50 kg.

Easy to install
The Actassi OPB enclosure can be wall-mounted by a single person using the fixing points intended for the passage of holding screw heads into the wall.

Ergonomics
The side panels swing through 120° and can be easily removed without tools. Rear access is easy. Door easily removable without tools.

Easy to cable
The cable entries, top or bottom, are pre-cut and open into the rear of the Actassi OPB enclosure. The enclosure fits around those cables that are already in place (rear blanking plate optional).

Adaptable
The 19" uprights are designed to be depth-adjustable with a step of 25 mm. Their fixing with screws guarantees the rigidity of the Actassi OPB enclosure.

Easy to install and to reverse
Its drilling template on the packaging and its 4 wall-mounting points enable quick and efficient installation while guaranteeing reversibility by simply turning the enclosure around.

Ergonomics
The side panels are locked from the inside by two 1/4-turn nuts, accessible only when the door is open.

OPB
19" Wall Open Box with swing rack
Open for easy installation and maintenance

Total accessibility with the swing rack and the swingable and removable side panels and door.

Introduction and selection guides

- Wall-mounting enclosure made from folded and welded sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester.
- Enclosure made up of a body, 2 hinged and removable side panels, a 19" swing rack and a Securit® glass transparent door with key nº 333.
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Protection : IK08

– Impact energy = 5 joules

- Available enclosures :
  – 5 heights: 6, 9, 12, 15, 18 U.
  – 3 depths: 400, 500 and 600 mm.
- Swing rack: Acceptable load of 25 kg. (Include 25% of margin load rating according to the IEC 62208)
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310-E

Installed enclosures

Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
6	380	600	400	**NSYOPB6U4P**	**NSYOPB6UTPN**	**NSYECP300**	**NSYECVT300**
6	380	600	500	**NSYOPB6U5P**	**NSYOPB6UTPN**		
9	515	600	400	**NSYOPB9U4P**	**NSYOPB9UTPN**		
9	515	600	500	**NSYOPB9U5P**	**NSYOPB9UTPN**		
12	650	600	500	**NSYOPB12U5P**	**NSYOPB12UTPN**		
12	650	600	600	**NSYOPB12U6P**	**NSYOPB12UTPN**		
15	780	600	500	**NSYOPB15U5P**	**NSYOPB15UTPN**		
15	780	600	600	**NSYOPB15U6P**	**NSYOPB15UTPN**		
18	915	600	500	**NSYOPB18U5P**	**NSYOPB18UTPN**		

OPB

19" Wall Open Box with fixed rack
Ergonomic and adaptable

Introduction and selection guides

- Wall-mounting enclosure made from folded and welded sheet steel, powder paint, eather-grain finish, RAL 7035 light grey epoxy-polyester.
- Enclosure made up of a body, 2 hinged and removable side panels, 19" fixed uprights and a Securit® glass transparent door or plain sheet steel door with key nº 333.
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Protection : IK08 (for glazed door)
  – Impact energy = 5 joules
- Impact Potection : IK10 (for plain door)
  – Impact energy = 20 joules
- Available enclosures:
  – 6 heights: 6, 9, 12, 15, 18, 21 U.
  – 3 depths: 400, 500 and 600 mm.
- Fixed 19" rack. Acceptable load: 3 kg/U; max. 50 kg per enclosure. (Include 25% of margin load rating according to the IEC 62208)
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310-E

2U extra space "for free", 1U in the top and 1U in the bottom. Can be used for example for power rails.

Installed enclosures

Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
6	380	600	400	NSYOPB6U4F	NSYOPB6UTPN	NSYECP300	NSYECVT300
6	380	600	500	NSYOPB6U5F	NSYOPB6UTPN		
9	515	600	400	NSYOPB9U4F	NSYOPB9UTPN		
9	515	600	500	NSYOPB9U5F	NSYOPB9UTPN		
9	515	600	600	NSYOPB9U6F	NSYOPB9UTPN		
12	650	600	400	NSYOPB12U4F	NSYOPB12UTPN		
12	650	600	500	NSYOPB12U5F	NSYOPB12UTPN		
12	650	600	600	NSYOPB12U6F	NSYOPB12UTPN		
15	780	600	400	NSYOPB15U4F	NSYOPB15UTPN		
15	780	600	500	NSYOPB15U5F	NSYOPB15UTPN		
15	780	600	600	NSYOPB15U6F	NSYOPB15UTPN		
18	915	600	400	NSYOPB18U4F	NSYOPB18UTPN		
18	915	600	500	NSYOPB18U5F	NSYOPB18UTPN		
21	1050	600	500	NSYOPB21U5F	NSYOPB21UTPN		
21	1050	600	600	NSYOPB21U6F	NSYOPB21UTPN		

Enclosure with plain door

Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
9	515	600	400	NSYOPB9U4FR	NSYOPB9UTPN	NSYCP300	NSYECVT300
12	650	600	400	NSYOPB12U4FR	NSYOPB12UTPN		
15	780	600	500	NSYOPB15U5FR	NSYOPB15UTPN		
18	915	600	500	NSYOPB18U5FR	NSYOPB18UTPN		

OPB
19" Mobile Open Box
Flexible and versatile

Made for audiovisual application

Technical characteristics

- The body of the enclosure has cut-outs at the top and bottom to allow natural ventilation.
  The cables can enter through the rear opening and through the pre-cut areas on the top and bottom surfaces of the enclosure.
- 4 cut-outs are provided for wall-mounting.
- The 2 side panels can be opened very easily by means of two 1/4-turn nuts. These panels can be removed, without tools.
- The 19" uprights in zinc-coated steel are depth-adjustable on a 25 mm step.
- The Securit® glass door is completely reversible. It is equipped with a handle and a lock with closure by key nº 333. It is easily dismountable without tools.
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310-E

Composition

- Actassi OPB with top and bottom cut-outs.
- 1 glazed front door with a lock, key nº 333.
- 1 rear plate, reference: **NSYOPB6UTPN** to **NSYOPB21UTPN**.
- 4 depth-adjustable 19" uprights. Additional uprights available.
- 4 castors, reference **NSYRUFOPB**.
- Option of installing a plinth instead of the castors.

OPB
Mounting accessories

NSYOPB6UTPN

Rear blanking plate

- Blanking plate made from sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester.
- Delivered with the fixings required for installation.

Number of U	Reference
6	**NSYOPB6UTPN**
9	**NSYOPB9UTPN**
12	**NSYOPB12UTPN**
15	**NSYOPB15UTPN**
18	**NSYOPB18UTPN**
21	**NSYOPB21UTPN**

NSYOPB6UF

Additional 19" uprights

- Batch of two 19" uprights delivered with the fixings required for installation.
- Material: zinc-coated sheet steel, 20/10 mm thick.
- Maximum load: 3 kg/U; max. 50 kg per enclosure.
- Unit marking.

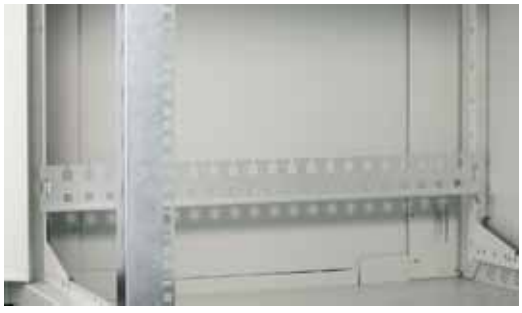
Number of U	Reference
6	**NSYOPB6UF**
9	**NSYOPB9UF**
12	**NSYOPB12UF**
15	**NSYOPB15UF**
18	**NSYOPB18UF**
21	**NSYOPB21UF**

NSYSSOPB

19" uprights, rear, 2 U

- Allows to save 2U on the front and to fix Power Distribution Unit on the back of the enclosure
- Batch made up of 2 partial 2 U 19" uprights delivered with the fixings required for installation.
- It is fixed to the rear of the enclosure.
- It allows the installation of products in 19" format.
- Height adjustment with a step of 44.45 mm (1 U).
- Material: zinc-coated sheet steel.

Number of U	Reference
2	**NSYSSOPB**



NSYSPBOPB

Cable support for enclosure, rear

- Allows to secure and guide the cables on the back of the enclosure
- Fixed to the rear of the enclosure to support and fix the cables.
- Height adjustable with a step of 44.45 mm (1 U).
- Material: zinc-coated steel.
- Delivered with the fixings required for installation.

Cable support
NSYSPBOPB

OPB
Roof accessories

NSYEC300

Top or bottom blanking plate
- Plain blanking plate.
- Material: zinc-coated steel sheet.
- Delivered with the fixings required for installation.

Reference
NSYEC300

NSYECP300

Blanking plate with brush gasket
- Fixing to the top or bottom openings of the enclosures.
- Material: zinc-coated steel sheet.
- Delivered with the fixings required for installation.

Dimensions (mm)	Reference
35 x 300	**NSYECP300**

NSYECPT300

Total brush gasket
- It is fixed to the top and bottom cable entries.

Dimensions (mm)	Reference
100 x 300	**NSYECPT300**

NSYECAV300

Top or bottom blanking plate with ventilation louvres
- Fixing to the top or bottom openings of the enclosures.
- Material: zinc-coated sheet steel.
- Delivered with the fixings required for installation.

Reference
NSYECAV300

NSYECVT300

Top or bottom blanking plate with 2 fans
- 2 fans installed and wired to on the terminal block, including a protection grille. A power supply cable of 2 m in length is supplied connected.
- Free flow of 35 m^3/h each.
- Fixing to the top or bottom openings of the enclosures.
- Material: zinc-coated sheet steel.
- Delivered with the fixings required for installation.
- Sound level: 35 dB (A).
- Thermostat NSYCRTM1UVTG (option)

Reference
NSYECVT300

OPB
Base accessories

NSYPNOPB

Levelling feet
- Delivered with the fixings required for installation.
- Require drilling of the enclosure at the knock-out point for direct installation.
- Batch of 4 parts.

Reference
NSYPNOPB

NSYRUFOPB

Wheels
- Delivered with the fixings required for installation.
- Require drilling of the enclosure at the knock-out point for direct installation.
- Installation possible on the plinth.
- Batch of 4 parts.

Reference
NSYRUFOPB

NSYZUN65OPB

Plinths
- Material: sheet steel, 15/10 mm thick, powder paint, leather grain finish, RAL 7011 dark grey epoxy-polyester.
- Height 100 mm.
- Delivered with the fixings required for installation.
- Removable surfaces.
- Knock-out entries on the side and rear surfaces for cable entry.

Dimensions (mm)		Reference
Width	Depth	
600	400	**NSYZUN64OPB**
600	500	**NSYZUN65OPB**
600	600	**NSYZUN66OPB**

NSYJPSVD

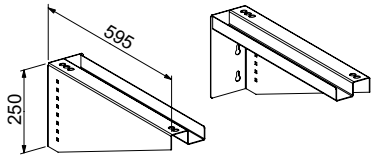
Brush gasket for the cable entries through the plinth
- It is fixed to the knock-out areas for the cable entries.
- Delivery as a unit.

Entry width (mm)	Reference
75 x 400	**NSYJPSVD**

NSYCFRS

Wall-mounting kit for the enclosures
- Allows wall-mounting of enclosures from 6 U to 29 U, with a depth of 600 mm.
- Maximum load inside the enclosure: 50 kg.
- The kit includes 2 brackets.
- Maximum load inside the rack: 100 kg.

Enclosure depth (mm)	Reference
600	**NSYCFRS**



OPB
Equipment supports

NSYGF140OPB

Partial fixed slides

- Allows to support the back of the 19" switch, PABX or server in using only 2 19" uprights
- Batch of 2 slides for supporting a drawer, a shelf or 19" hardware.
- Fixing by attachment on the front 19" uprights.
- Material: zinc-coated steel.
- Acceptable load: 15 kg.

Width (mm)	Reference
140	**NSYGF140OPB**

NSYGF200OPB

Fixed slides

- Allows to support heavy switch, PABX or server in using 4 19" uprights
- Batch of 2 slides for supporting a drawer, a shelf or 19" hardware.
- Fixing by attachment between the front and rear 19" uprights.
- Material: zinc-coated steel.
- Heel of 0 mm.
- Acceptable load: 15 kg.

Centre-to-centre distance (mm)	Reference
200	**NSYGF200OPB**

NSYSRCOPB

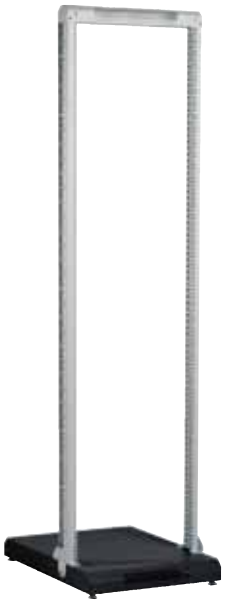
Rear cable support on 19" uprights

- Fixing to the rear of the 19" uprights to support the cables.
- Material: zinc-coated steel.
- Delivered with the fixings required for installation.

Reference
NSYSRCOPB

Actassi floor-standing enclosures

Are you looking for an enclosure that is robust and very quick to install? Actassi VDA should be your choice. Smart details and a possibility to choose pre-installed accessories reduce the installation time. If you need a top-of-the-line server enclosure, Actassi VDS is difficult to beat. It can be mounted with up to 750 kg of 19” components, and the micro-perforated door ensures superior air flow (above 80%).



Actassi BTR
Technical rack

Actassi VDA-B
Cabling enclosure

Actassi VDS
Server enclosure

BTR
Technical rack
Tempory installation

Introduction

Heights of 24 U and 42 U

Applications
- Test rack.
- Mixing rack.
- Prototype rack.

To be made up of
- 1 steel plinth, 600 × 600 mm.
- Two 19" uprights, height of 24 or 42 U.
- 1 steel cross rail delivered with the 19" uprights.
- The fixings required for installation delivered with the 19" uprights.

Advantages
- Shorter assembly time.
- Simple handling of the unit by a single operator.
- Reduced storage space.
- Minimum external dimensions.
- Quick coupling.
- Option of installing handling castors.
- Acceptable static load: 150 kg.
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310D

Nº of usable U	Batirack plinth ref.	19" upright and cross-rail kit
24 U	**NSYZUN66BTR**	**NSYBTR24U**
42 U	**NSYZUN66BTR**	**NSYBTR42U**

VDA

Easy to install and to integrate 19" Cabling enclosure

Adaptable
The Configured offer allows you to clad the rack according to your needs:
- 2 framework models,
- 13 door models,
- 2 side panel models.

Aesthetics and customisation
- bi-colour: RAL 7035 light grey and RAL 7011 dark grey,

Saves time
All the doors can be installed and removed quickly. The cladding can be installed and removed by a single operator. The feet can be adjusted from the inside.

Rigidity and sturdiness
400 kg of acceptable static load.

VDA
Easy to install and to integrate 19" Cabling enclosure

Innovating
The side cable entry is the most ergonomic and efficient solution on the market. The top and bottom openings, flush with the structure, allow the strands to be prepared before installing the rack. These openings also allow for easy maintenance and are closed when the side panels are installed.

Ergonomics
The routing of the cable glands is easier:
- Knock-out side cable glands at top and bottom.
- Knock-out rear cable glands at top and bottom.
- Large opening on the roof, offset towards the rear and equipped with a removable plate. Allows the integration of live equipment at the top and the entry of cables by the rear.
- Large opening at the bottom.

Accessories
The central openings on the roof and the base support multiple blanking plate combinations (plain, with brush gasket or ventilated).
Optional installation of the blanking plates with the roof plate thanks to the roof stand-offs.

Panels and doors can be installed and removed quickly by a single operator.

A harmonious design
With modern aesthetics: strip, handle, hinge, in rounded shape, RAL 7011 dark grey.

Security
The latches of the panels can be equipped with a key locking system (the key is identical for all the doors).

Smart
The pivot and guide system allows the panels to be returned to their place quickly, with maximum security.

The ventilation is adjustable and does not take up any units (1 to 9 fans).

Practical
Marking of the units on the front panel and on the side for quick installation of the equipment.
The 19" uprights are easily depth-adjustable on the site.

Adaptable ventilation
The roof ventilation is depth-adjustable and does not take up any units.
Option of installing 1 to 9 fans according to the size of your enclosure.

VDA-B
Simple and functional

Introduction

VDA-B rack

- Designed for circulation applications with switches and routers.
- 6 heights: 24 U, 29 U, 33 U, 38 U, 42 U and 47 U.
- 2 widths: 600 and 800 mm.
- 3 depths: 600, 800 and 1000 mm.
- Acceptable static load: 400 kg.
- Dynamic load: 250 kg.
- Color :
  - Light Grey (RAL7035) for lining
  - Dark Grey (RAL7011) for framework
- Ingress Protection : IP20
  - Object size protected against > 12,5mm
  - No liquid protected
- Impact Protection : IK08
- Impact energy = 5 joules
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310D

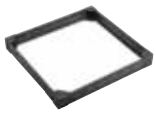
Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework.
- Cut-out roof, closed with a removable blanking plate.
- Glazed reversible front door, 4 mm Securit® glass, opening to 180°, 1-point lock with a key n° 333. Hinges on the right as standard.
- Rear panel with quick installation and removal, locking by latches.
- Side panels with louvres, with quick installation and removal, locking by latches.
- Top and bottom side cable glands flush with the structure.
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm.
- Large opening on the bottom and large knock-out area on the rear for cable entry.
- Levelling feet installed.
- Two 19" uprights made from treated steel, installed 100 mm back from the front surface and depth-adjustable in steps of 25 mm.
- Delivered on a pallet covered with film.

Composition of the rack without side panels

- Exactly the same composition as the above rack, but without the side panels.
- Coupling kit not supplied.

VDA-B racks, RAL 7035 Light Grey



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	19" uprights	100-mm plinth	Handling castors	Cable-gland trim
24U	1200	600	600	**NSYVDA24U66B**	**NSYBR9F24**	**NSYZUN66VDA**	**NSYRUFVDA**	-
24U	1200	600	800	**NSYVDA24U68B**	**NSYBR9F24**	**NSYZUN68VDA**	**NSYRUFVDA**	-
42U	2000	600	600	**NSYVDA42U66B**	**NSYBR9F42**	**NSYZUN66VDA**	**NSYRUFVDA**	-
42U	2000	600	800	**NSYVDA42U68B**	**NSYBR9F42**	**NSYZUN68VDA**	**NSYRUFVDA**	-
42U	2000	800	600	**NSYVDA42U86B**	**NSYBR9F42**	**NSYZUN66VDA**	**NSYRUFVDA**	**NSYPV42**
42U	2000	800	800	**NSYVDA42U88B**	**NSYBR9F42**	**NSYZUN88VDA**	**NSYRUFVDA**	**NSYPV42**
42U	2000	800	1000	**NSYVDA42U810B**	**NSYBR9F42**	**NSYZUN810VDA**	**NSYRUFVDA**	**NSYPV42**

Data Center Patching Frame
Range

VDIM33174

Overhead 19" Patching Frame 4U

- 19” frame
- Designed to be mounted in a mesh tray or cable ladder to provide 4U patching positions and to save space in the enclosure below.
- 4U height.
- In compliance with the directive RoHS and with 19” standards EIA 310-D and IEC 60297-3-100.
- CE certified.
- Metal.
- Dimensions: 500mm x 350mm x 160mm.
- Color is Raven Black.
- Holds up to 15 Kgs.
- Equipped with two cord managers that secure the bend radius of the cords going down to the enclosure, It includes 4 self-grip of 30cm.
- Equipped with a big label holder to facilitate readiness from the ground.

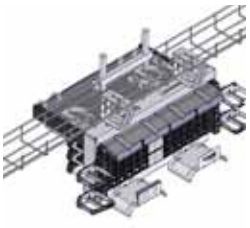
Description	Reference
Overhead 19” patching frame 4U*	VDIM33174

* Available from End 2012

Example of mounting

Stand-alone mounting

Mounting in a cable ladder



Mounting at the bottom of a mesh tray

Mounting on the side of a mesh tray with a quick fitting device

VDS
19" server enclosure
Robust and ventilated

Ventilated:
The front and rear doors are microperforated on the width of the 19" uprights to channel the air flows onto the equipment. They allow above 80% of air through for optimum ventilation of the live components that equip the 19" rack.

Rigidity and robustness:
750 kg of acceptable static load.

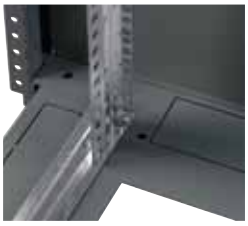
Vertical cable manager (as option)
Efficient vertical cable managers can be used to duct, support and hide fibre and copper cables in improving airflow.

Adaptation and customisation:
The configured offer allows you to clad the rack according to your needs:
- 2 framework models.
- 13 door models (microperforated double door, etc.).
- 2 side panel models.

VDS
19" server enclosure
Robust and ventilated

The ventilation is adjustable and does not take up any units (1 to 9 fans).

Innovating:
The side cable entry is the most ergonomic and efficient solution on the market.
The top and bottom openings, flush with the structure, allow the strands to be prepared before installing the rack. These openings also allow for easy maintenance and are closed when the side panels are installed.

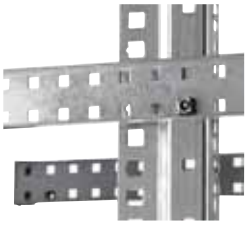


Ergonomic:
The routing of the cable entries is easier:
- Side cable entries at top and bottom, pre-cut.
- Rear cable entries at the bottom, pre-cut.
- Large opening on the roof, offset towards the rear and equipped with a blanking plate.
- Allows the integration of live equipment at the top and the entry of cables from the rear.
- Large opening at the bottom.

Adaptable ventilation:
The roof ventilation is depth adjustable and does not result in the loss of any units. Option of installing 1 to 9 fans according to the size of your enclosure.

Security:
The latches of the panels can be equipped with a key locking system (the key is identical for all the doors).

Smart:
The pivot and guide system allows the panels to be returned to their place quickly, with maximum security.



Practical:
Marking of the units on the front panel and on the side for quick installation of the equipment. The 19" uprights are easily depth-adjustable on the site.

Panels and doors can be installed and removed quickly by a single operator.

Saves time:
All the doors and panels can be installed and removed quickly. The cladding can be installed and removed by a single person. The feet can be adjusted from the inside.

Accessories:
The central openings on the roof and the base support allow multiple blanking plate combinations (plain, with brush or ventilated).
Possibility of installing the blanking plates with the roof plate thanks to the roof stand-offs.

VDS
19" server
Robust and ventilated

Introduction

Technical characteristics
- Folded and welded sheet-steel enclosure, textured, RAL 9011 black epoxy-polyester powder paint.
- Earth continuity guaranteed, according to the standard.
- Allowed air flow above 80%
- Acceptable static load: 750 kg.
- Color:
  – Black (RAL9011)
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Potection : IK10
  – Impact energy = 20 joules
- Certifications: In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310D

Rack composition
- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework.
- Base without blanking plate (page XX).
- Cut-out roof, closed with a blanking plate with dismountable brush gasket.
- Reversible microperforated front and rear door, opening to 180°, closure at 2 points with a handle and a key nº 333. Hinges on the right as standard.
- Side panels with no louvres, with quick installation and removal, closing by latches.
- Top and bottom side cable entries flush with the structure.
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm.
- Large opening on the bottom and large knock-out area on the rear for cable entry.
- Levelling feet installed.
- Four 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm.
- Earthing kit installed.
- Delivered on a pallet covered with film.

Composition of the rack without side panels
- Exactly the same composition as the above rack, but without the side panels.
- Coupling kit not supplied.
- In the event of coupling, use coupling kit ref. **NSYCUNVDA** and brush gasket (ref. **NSYCUNPL600**, **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.

Selection guide

Number of U	Ext. dimensions (mm)			Rack
	Height	Width	Depth	
42U	2000	600	1000	**NSYVDS42U610N**
42U	2000	800	800	**NSYVDS42U88N**
42U	2000	800	1000	**NSYVDS42U810N**

VDA/VDS
Accessories

EA accessories

NSYSTVDA

Locking system (P1)

- Allows the closure of a side panel and the rear panel.
- Lock with key n° 333 with escutcheon plate.
- It is installed on the opening latches of the side and rear panels.
- Delivery of 2 locks per panel.

Reference
NSYSTVDA

NSYCUNVDA

Coupling kit (R1)

- Kit to be used when coupling two racks side by side.
- Kit made up of 4 flanges and the fixings required for assembly.

Reference
NSYCUNVDA

NSYPV42

Vertical trim strips with cable entries (H2)

- For enclosures with a width of 800 mm only.
- Side cut-outs allowing the entry of cables every 250 mm. Knock-out entries on the front plate every 250 mm.
- Assembly on the framework uprights providing aesthetic continuity between the framework and the 19" uprights positioned at least 100 mm away from the door.
- RAL 7011 dark grey paint.
- Cable-protection strips (not supplied) to be ordered separately. See page XX.
- Dismounting by 1/4-turn screws.
- Kit made up of 2 trim strips.

Number of U	Reference
42U	**NSYPV42**

NSYRUFVDA

Handling wheels (M3)

- Batch of 4 swivel castors, 2 of which are equipped with a locking system.
- Direct fixing under the bottom frame of the rack by M12 screws.
- Height of the castors: 105 mm.

Acceptable load	Reference
250 kg/4 castors	**NSYRUFVDA**

VDA/VDS
EA accessories
Roof and base accessories
Installation supports

NSYEC440

Plain blanking plate (J1) (K1)
- Fixing on the internal surface of the base or roof.
- Can be combined with other types of blanking plates.
- Treated sheet steel.
- Delivered with the fixings required for installation.

Reference
NSYEC440

NSYECP440

Blanking plate with brush gasket (J2) (K2) (L1)
- Fixing on the internal surface of the base or roof or on a 6 U knock-out panel of the reduced rear door.
- Can be combined with other types of blanking plates.
- Treated sheet steel.
- Delivered with the fixings required for installation.

Dimensions (mm)	Reference
75 x 400 mm	**NSYECP440**

NSYECVT2V440

Blanking plates with or without fans Ø 120 mm (J3) (J4) (L2) (L3)
- Fixing on the internal surface of the base or roof or on a 6 U knock-out panel of the reduced rear door.
- Equipped with 2 fans, free flow of 170 m^3/h each, 220 V-50/60 Hz, installed wired with terminal board. A 3-m power cord is supplied, installed.
- Can be combined with other types of blanking plates.
- Treated sheet steel.
- Delivered with the fixings required for installation.
- Noise level: 34 dB (A).
- To use fans with UK PDU's, order UK adaptor Ref : NSYAPUFRUK

Dimensions (mm)	Reference
With 2 fans	**NSYECVT2V440**

NSYECVT2V424 / NSYECVT2V440

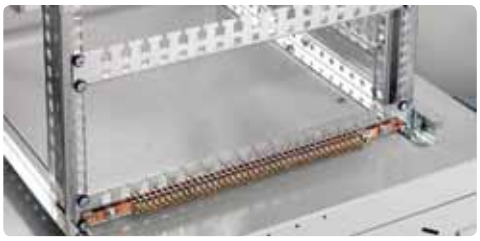
Additional 19" uprights
- Assembly on the depthwise supports.
- Depth adjustable in steps of 25 mm.
- Kit made up of 2 uprights and the fixings required for assembly.
- 9.5-mm square holes in the front panel.

Number of U	Reference
24U	**NSYBR9F24**
42U	**NSYBR9F42**

Universal accessories
Earth connection
Fixing components

NSYAEECS

NSYAEEC1UF



NSYAEEC1UN

Earthing strip (Y)

- Two models available:
- – Insulated: 10 x 5 mm brass bar with 40 connection points by screws for lugs (screws not installed).
- Fixing to the 19" rack or to the framework.
- Length: 480 mm.
- Delivered with fixings.

Insulated	Reference
Yes	**NSYAEECS**

NSYCTOPB

Earthing kit for Actassi OPB / VDC

- To earth all the covering components.

Reference
NSYCTOPB

Earthing kit for Actassi VDA / VDS

- Kit for earthing the cladding pieces of the enclosure.
- Assembly on all the doors of the enclosure to comply with standard IEC62208, Section 9.10 regarding the continuity of the protection circuit.
- Brass and copper lugs.
- Green-yellow PVC insulating sheath.

Note: It is up to the installer to make sure earth continuity and the earth connections are guaranteed.

Reference
NSYCTVDA

NSYGFR95M65

Fixings for 19" rack

- They allow 19" accessories to be mounted.
- Caged nut compatible with 8.5 x 8.5 mm and 9.5 x 9.5 mm holes.

Batch of	Name	Reference
50	M6 screws + washers + nuts	**NSYGFR95M65**

Universal accessories
Shelves

NSYBBF1U40PG / NSYBBF1U60PG

Fixed perforated and plain 19" trays, 1 U

- Fixing by attachment without tools between the front and rear 19" uprights.
- Sheet steel or RAL 7016 grey paint.
- Acceptable load: 100 kg.

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	**NSYBBF1U40PG**
800-1000	458 (1)	**NSYBBF1U60PG**

(1) –100 ...+50 mm, adjustable in steps of 25 mm.

NSYBBT1U40PG / NSYBBT1U60PG / NSYBBT1U80PG

Telescopic perforated and plain 19" trays, 1 U

- Fixing by attachment without tools between the front and rear 19" uprights.
- Fixing on the telescopic slides supplied.
- Sheet steel or RAL 7016 grey paint.
- Acceptable load: 45 kg.

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	**NSYBBT1U40PG**
800-1000	458 (1)	**NSYBBT1U60PG**
1000	658 (1)	**NSYBBT1U80PG**

(1) Slides delivered with the tray.
(2) –100 ...+50 mm, adjustable in steps of 50 mm.

NSYASR3U

Handle for telescopic 19" tray

- Plastic material, RAL 7011 dark grey.
- Delivered with fixings.

Reference
NSYASR3U

NSYBF2U25PG

1 U fixed 19" tray

- Fixing to the front or rear uprights of the 19" rack.
- Heel of 5 mm.
- Sheet steel or RAL 7016 grey paint.
- Acceptable load: 2 U 20 kg.

Number of U	Depth (mm)	Load (kg)	Reference RAL 7016
2U	250	20	**NSYBF2U25PG**

NSYBT2U25PG

2 U telescopic 19" tray

- Fixing to the front uprights of the 19" rack.
- Sheet steel or RAL 7016 grey paint.
- Acceptable load: 5 kg.
- Delivered with the telescopic slides assembled.
- Heel of 5 mm.

Number of U	Depth (mm)	Load (kg)	Reference RAL 7016
2U	250	5	**NSYBT2U25PG**

Universal accessories
Electrical power distribution rails
PDU´S

UTE - 16A/230V~ with pin-earthed outlets

- Sockets set at 35° with child protection
- Aluminium profile silver - heigh 1 U
- Material: fibreglass polyamide plastic with fire resistance to 850 °C.
- equipped with power cord (3G 1.5 mm2) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to NFC61314, IEC60884 and NBNC61112-1 standards
- Could be used in : France, Belgium, Poland, Monaco, Slovakia, Czech Republic

NSYAPU19F9

NSYAPU19F8S

NSYAPU19F6CB

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
19" Adapted				
9 sockets outlets	19"	44	A	**NSYAPU19F9**
8 sockets outlets with recessed green led switch	19"	44	B	**NSYAPU19F8S**
6 sockets outlets with circuit breaker 16A	19"	76	C	**NSYAPU19F6CB**

- A: Rail of sockets without protection.
- B: Rail of sockets with recessed green LED switch.
- C: Rail of sockets with circuit-breaker C16 type C60N 16 A curve C.

Universal accessories
Electrical power distribution rails
PDU´S

VDE - 16A / 230V~ with side-earthed outlets

- Sockets set at 35° with child protection
- aluminium profile silver - heigh 1 U
- Material: fibreglass polyamide plastic with fire resistance to 850 °C.
- equipped with power cord (3G 1.5 mm2) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to DIN49 440, VDE0620-1, IEC60884 and UNE20315 standards
- Could be used in : Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway, Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria

Number of sockets	Width (mm)	Depth (mm)	Type	VDE
19" Adapted				
9 sockets outlets	19"	44	A	**NSYAPU19S9**
8 sockets outlets with recessed green led switch	19"	44	B	**NSYAPU19S8S**
6 sockets outlets with 6 circuit breaker 16A	19"	76	C	**NSYAPU19S6CB**

NSYAPU19S9

NSYAPU19S8S

NSYAPU19S6CB

UK - 13A/240V~ with BS standard outlets

- Sockets set at 90° with child protection
- aluminium profile silver - heigh 1 U
- Material: fibreglass polyamide plastic with fire resistance to 850 °C.
- equipped with power cord (3G 1.5 mm2) type H05 VVF, equipped with a mould right angle plug with earthing contact system

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
19" Adapted				
7 sockets outlets	19"	44	A	**NSYAPU19UK7**
6 sockets outlets with recessed green led switch	19"	44	B	**NSYAPU19UK6S**
6 sockets outlets with circuit braker13A	19"	44	C	**NSYAPU19UK6CB**

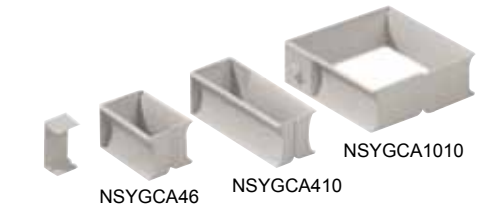
NSYAPU19UK7

NSYAPU19UK6S

NSYAPU19UK6CB

- A: Rail of sockets without protection.
- B: Rail of sockets with recessed green LED switch.
- C: Rail of sockets with circuit-breaker 16 A.

Universal accessories
Cable management
(compatible only with floor standing enclosures)



Guides (X)
- Mounting on:
- The 19" uprights (laterally).
- All the cable-support cross-rails.
- At the rear of the 19" shelves.

– On the framework uprights, with the help of intermediate support reference **NSYADGCA**.

- Material: plastic, RAL 7035 light grey.
- Guides and supports: batch of 10.

Dimensions (mm)	Reference
40 x 60	**NSYGCA46**
40 x 100	**NSYGCA410**
100 x 100	**NSYGCA1010**

NSYBPC5

Performa Zinc+ Mesh trays prepared for Actassi VDA / VDS - 42U enclosures (W)
- 2 models available with depths of 35 or 70 mm; width of 200 mm and length of 1800 mm.
- Made from high-quality steel wires with an innovative surface coating for improved corrosion resistance.
- Delivered with fixing accessories.

Usable depth (mm)	Reference
70	**NSYBPC5**

A summary of the Performa Zinc+ benefits
- A new innovative surface coating for improved corrosion resistance, aesthetic finish and reduced environmental impact
- Double transversal wires for outstanding working load
- Reduced installation time with screw-less accessories
- Patented solution for safety edges
- Delivered in a protective film, colour coded for easy identification

Universal accessories
Cable management
Thermal-management

NSYCRTM1U32B

1 U 19" front panels with metal guides
- Channels the cables over the front panel of the rack.
- Fixing to the 19" rack.
- Sheet steel, RAL 7016 grey paint.

Number of guides		RAL 7016 cable-guide reference
Vert.	Horiz.	
4	0	**NSYCRTM1U40BG**

NSYCRTM1U2G

1 U 19" front panel with cable-gland openings
- Fixing on the 19" uprights.
- Openings protected by a gasket.
- Sheet steel RAL 7016 grey paint.

RAL 7016 reference
NSYCRTM1U2G

NSYCRTM1U1P

1 U 19" front panels with cable-gland and brush gasket
- Fixing on the 19" uprights.
- Sheet steel RAL 7016 paint.
- 150 mm cable support.

Type	RAL 7016 reference
With cable support at the rear	**NSYCRTM1U1PG**

NSYCRTM1U5GCA

1 U 19" front panel with insulating guides
- Channels the cables over the front panel of the rack.
- Fixing on the 19" uprights.
- Steel front panel, RAL 7035 light grey paint.
- Equipped with 5 guides (reference **NSYGCA46**) in horizontal, vertical and 45° positions.

Reference
NSYCRTM1U5GCA

NSYCRTM1UVTG

1 U 19" front panel with ventilation switch and thermostat
- Direct fixing to the 19" rack.
- Switch with LED.
- Thermostat 0 ... +60 °C, In 5 A/250 V.
- Front panel made from RAL 7016 sheet.

Reference RAL 7016
NSYCRTM1UVTG

The customised offer

Do you want to have other enclosures than standard? No problem. With Actassi enclosures it's possible to customize colour, accessories, specific lining etc according to your personal needs.

Two levels of customisation

At Schneider Electric we have developed two levels of customised services based on more than 50 years of experience in the market :
> Configured offer (standard, modified)
> Specific offer (custom-built enclosures).

We perform machining, mounting of accessories and painting.

We manufacture customised solutions with our industrial tools.
Example: cut-outs made before painting.
.

Flexibility
Several types of side panels

Safety
Defined thermal management

Time-saving
Factory suite assemblies

Aesthetics
Colour

Mounting
Accessories mounted in our factories

Efficiency & ergonomics
Several types of doors

Examples of customised solutions

Configured

Configured offer

Make your own definition based on our standard claddings.

Example: Actassi VDS enclosure in RAL 9011

Equipped with:

- Double Front door with two-points locking system. Airflow above 80%
- Double Rear door with two-points locking system. Airflow above 80%
- Two side-doors with locks
- Roof equipped with 6 fans and 1 brush-entry cables

Specific

Specific offer

Built exactly according to your needs

Example: Actassi VDA

One specific VDA enclosure splitted in four compartments to allocate different cabling zones to different customers. This enclosure is delivered equipped, machined and ready to use.

P&S Customisation services
Customer-specific solutions

Specific

Example of realisations

Colocation 19" enclosure
Enclosure separated in 4 parts to give different access to each customer. Each hosted customer has his own secured access and cannot make some operation to the other part of the enclosure

Branded 19" enclosure equipped with saloon glazed doors:
Enclosure totally customized with the customer requirements. 42U enclosure equipped with double glazed doors permits to open the doors when you don't have space.

Ventilated 19" enclosure with fans mounted on the doors :
Enclosure dedicated to extract a lot of heat. Mainly dedicated to server application.
This configuration permits to ensure the stability of the installation

19" enclosure – Depth 400mm
19" enclosure with a very limited depth (Depth 400mm) for cabling application.
Required by the customer to reduce the size of the installation.

Wall-mounted enclosure – Depth 1000 mm
Enclosure totally customized with the customer requirements. 12U – Width 600mm and Depth 1000mm.

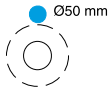
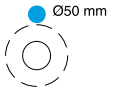
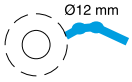
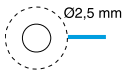
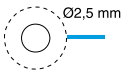
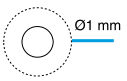
Racks structure merged with a middle zone cabling:
Totally dedicated for cabling, this structure permits to easily manage the cables and to give the best access to install the components.

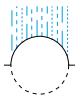
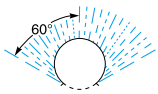
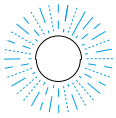
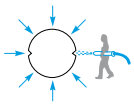
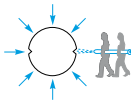
Degree of protection

Standard IEC 60364-5-51 lists and codifies a large number of external influences to which electrical installations can be subjected, including the presence of water, solid objects, shocks, vibrations, corrosive substances, etc.

IP code

Standard IEC 60529 (IP code, February 2001) indicates the degrees of protection provided by an enclosure for electrical devices against access to hazardous parts, against penetration of solid foreign objects and against penetration of water.
These standards do not apply for the protection against the risks of explosion or conditions such a humidity, corrosive vapour, fungus or vermin.
The IP code is made up of two characteristic numerals and can include an additional letter when the actual protection for persons against access to the hazardous parts is better than that indicated by the first numeral.
The first numeral characterises the protection provided against the ingress of solid foreign objects and the protection of persons.
The second numeral characterises the protection provided against the ingress of water with harmful effects.

1st numeral 2nd numeral Protection of persons		Protection against ingress of solid objects	
1	1 Protected against access with back of hand		Protection against solid foreign objects larger than 50 mm	
2	Protected against access with a finger		Protection against solid foreign objects larger than 12.5 mm	
3	Protected against access with a tool		Protection against solid foreign objects larger than 2.5 mm	
4	Protected against access with a wire		Protection against solid foreign objects larger than 1 mm	
5	Protected against access with a wire		Protected against dust (dust protected)	
6	Protected against access with a wire		Dust tight	

2nd numeral Protection against ingress of water	
1	Protected against vertically dripping water (condensation)	
2	Protected against dripping water up to 15° from vertical	
3	Protected against spraying water up to 60° from vertical	
4	Protected against splashing water from all directions	
5	Protected against water jets from all directions	
6	Protected against powerful water jets from all directions	
7	Protected against the effects of temporary immersion in water	
8	Protected against the effects of continuous immersion in water	

IK code

Standard IEC 62262 defines an IK code characterising the capacity of products to resist mechanical impacts from all sides.

IK code	Impact energy (joules)
01	0.14
02	0.2
03	0.35
04	0.5
05	0.7
06	1
07	2
08	5
09	10
10	20

IK codes can be selected according to the risks of impacts on a given site.

	Site	Recommended IK
No risk of major impact	Technical premises	07
Significant risk of impact that can damage devices	Hallways	08 (switchboard with door)
Maximum risk of impact that can damage the switchboard	Workshops	10

* Make the most of your energy

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